

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066700.D
 Acq On : 15 Sep 2020 15:43
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:23 AM

Quant Time: Sep 15 16:34:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	717802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	665862	139.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.50%	
35) Dibromofluoromethane	7.91	113	631946	143.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.20%	
50) Toluene-d8	10.34	98	2424658	154.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.28%	
62) 4-Bromofluorobenzene	12.63	95	825866	152.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	463003	123.588	ug/l	98
3) Chloromethane	2.21	50	627835	128.732	ug/l	100
4) Vinyl Chloride	2.35	62	659139	129.135	ug/l	97
5) Bromomethane	2.75	94	439439	121.363	ug/l	97
6) Chloroethane	2.91	64	417463	131.287	ug/l	91
7) Trichlorofluoromethane	3.27	101	1164459	132.081	ug/l	97
8) Diethyl Ether	3.71	74	311238	140.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	635987	131.264	ug/l	99
10) Methyl Iodide	4.30	142	710209	154.492	ug/l	99
11) Tert butyl alcohol	5.22	59	187169	387.967	ug/l	95
12) 1,1-Dichloroethene	4.07	96	601617	134.155	ug/l	99
13) Acrolein	3.93	56	221447	656.629	ug/l	97
14) Allyl chloride	4.71	41	1023527	142.119	ug/l	100
15) Acrylonitrile	5.42	53	674425	697.371	ug/l	98
16) Acetone	4.16	43	614629	631.194	ug/l	93
17) Carbon Disulfide	4.41	76	1933303	137.195	ug/l	98
18) Methyl Acetate	4.71	43	293431	124.833	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	1480622	148.229	ug/l	98
20) Methylene Chloride	4.97	84	695923	105.518	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	729518	139.628	ug/l	98
22) Diisopropyl ether	6.36	45	2093155	143.036	ug/l	99
23) Vinyl Acetate	6.30	43	6188131	760.214	ug/l	98
24) 1,1-Dichloroethane	6.26	63	1265426	136.270	ug/l	99
25) 2-Butanone	7.21	43	869631	685.844	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1155725	134.589	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	811789	142.024	ug/l	98
28) Bromochloromethane	7.54	49	456201	131.526	ug/l	97
29) Tetrahydrofuran	7.56	42	559917	721.740	ug/l	97
30) Chloroform	7.71	83	1338896	135.473	ug/l	100
31) Cyclohexane	7.98	56	1140792	135.059	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	1251866	138.424	ug/l	99
36) 1,1-Dichloropropene	8.11	75	1045148	141.619	ug/l	99
37) Ethyl Acetate	7.29	43	399789	143.094	ug/l	99
38) Carbon Tetrachloride	8.09	117	1118375	142.701	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	1282966	151.984	ug/l	99
40) Benzene	8.35	78	2888771	144.685	ug/l	97
41) Methacrylonitrile	7.52	41	220245m	162.819	ug/l	
42) 1,2-Dichloroethane	8.42	62	864167	139.705	ug/l	100
43) Isopropyl Acetate	8.45	43	773731	147.133	ug/l	100
44) Trichloroethene	9.11	130	766207	143.529	ug/l	100
45) 1,2-Dichloropropane	9.38	63	697704	141.352	ug/l	97
46) Dibromomethane	9.47	93	387000	142.683	ug/l	99
47) Bromodichloromethane	9.66	83	1049271	141.968	ug/l	98
48) Methyl methacrylate	9.45	41	414584	154.993	ug/l	97
49) 1,4-Dioxane	9.46	88	83505	2874.104	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	2008570	741.892	ug/l	99
52) Toluene	10.40	92	1926568	150.625	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	998507	151.232	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	1171068	149.331	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	506877	141.740	ug/l	95
56) Ethyl methacrylate	10.66	69	654677	161.323	ug/l	98
57) 1,3-Dichloropropane	10.94	76	892785	142.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1223587	686.512	ug/l	98
59) 2-Hexanone	10.98	43	1370275	753.263	ug/l	99
60) Dibromochloromethane	11.14	129	688133	147.679	ug/l	98
61) 1,2-Dibromoethane	11.24	107	495982	144.584	ug/l	99
64) Tetrachloroethene	10.87	164	621544	138.275	ug/l	96
65) Chlorobenzene	11.67	112	1953626	143.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	737224	146.561	ug/l	99
67) Ethyl Benzene	11.74	91	3741226	151.503	ug/l	100
68) m/p-Xylenes	11.85	106	2796163	299.596	ug/l	97
69) o-Xylene	12.18	106	1299298	157.536	ug/l	96
70) Styrene	12.20	104	2236156	154.045	ug/l	99
71) Bromoform	12.36	173	367310	145.503	ug/l #	99
73) Isopropylbenzene	12.48	105	3568996	153.809	ug/l	100
74) N-amyl acetate	12.29	43	755963	154.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	542480	137.583	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	438324m	166.621	ug/l	
77) Bromobenzene	12.76	156	774649	144.844	ug/l	98
78) n-propylbenzene	12.82	91	4186429	148.003	ug/l	98
79) 2-Chlorotoluene	12.91	91	2349936	146.923	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	2956554	150.694	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	185908	150.803	ug/l	94
82) 4-Chlorotoluene	13.01	91	2427533	143.540	ug/l	99
83) tert-Butylbenzene	13.23	119	2484511	153.643	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2952084	150.560	ug/l	99
85) sec-Butylbenzene	13.40	105	3489882	150.538	ug/l	100
86) p-Isopropyltoluene	13.52	119	3227303	153.127	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1492652	145.475	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1454089	142.315	ug/l	98
89) n-Butylbenzene	13.84	91	3050431	152.212	ug/l	99
90) Hexachloroethane	14.11	117	631916	145.952	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	1275899	145.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	91829	144.072	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	833887	156.820	ug/l	99
94) Hexachlorobutadiene	15.27	225	458532	143.125	ug/l	100
95) Naphthalene	15.41	128	1527783	164.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	697369	150.146	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

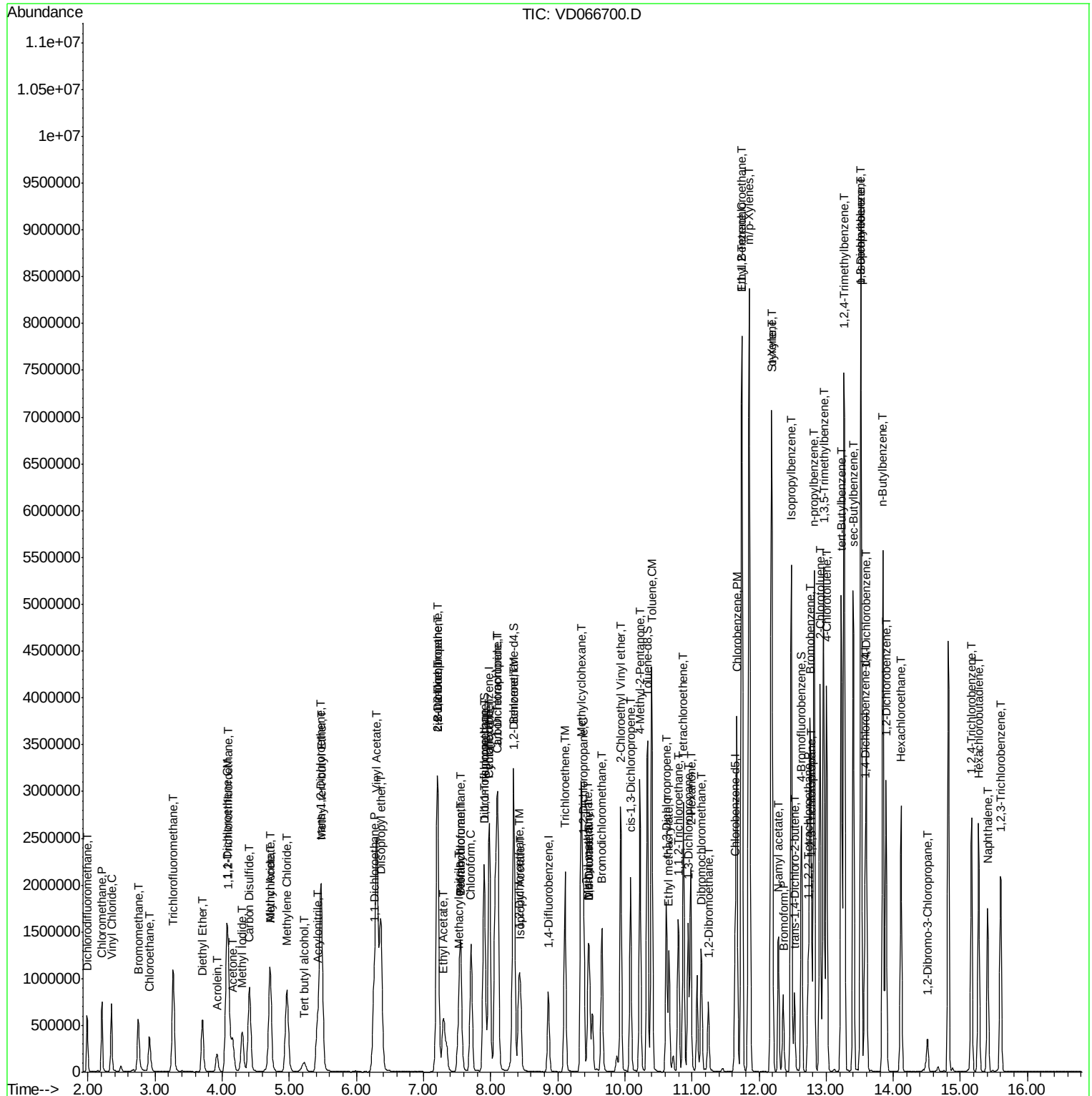
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066700.D
Acq On : 15 Sep 2020 15:43
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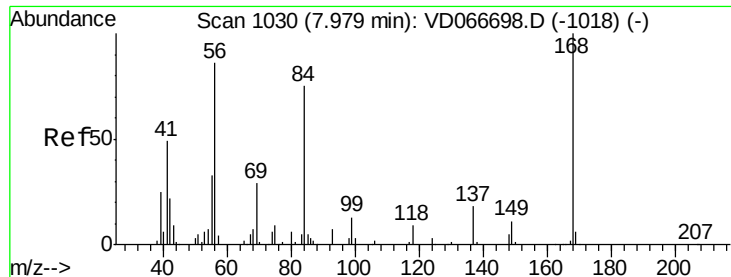
Instrument :
MSVOA_D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 448177

Ion Ratio Lower Upper

168 100

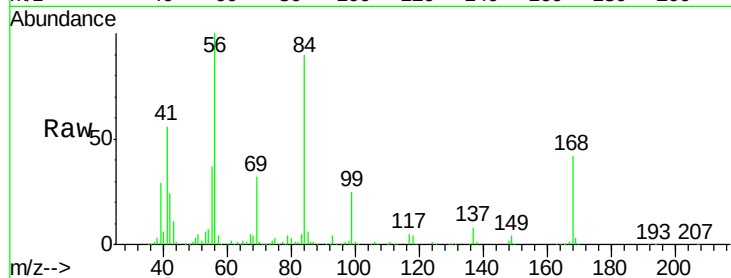
99 58.2 54.4 81.6

Manual Integrations

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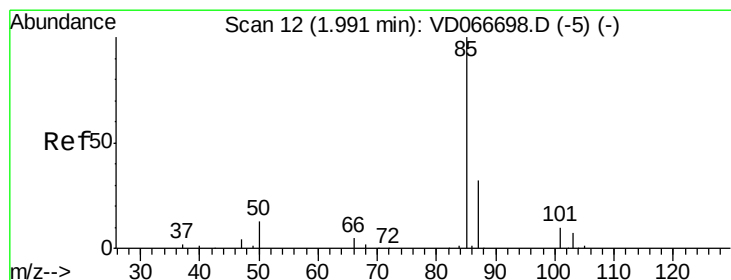
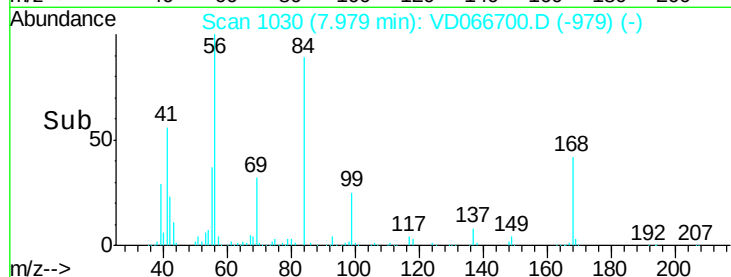
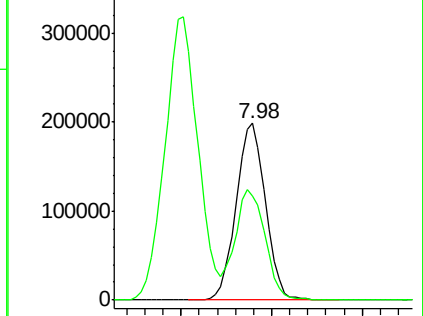
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 123.588 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066700.D

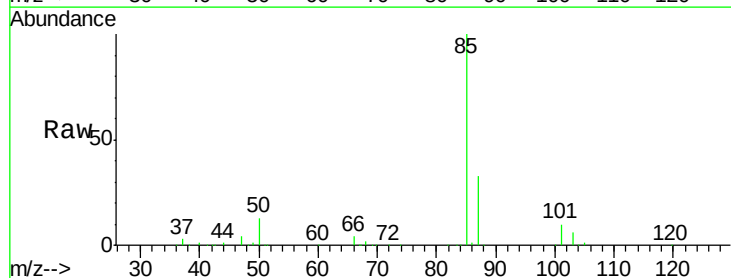
Acq: 15 Sep 2020 15:43

Tgt Ion: 85 Resp: 463003

Ion Ratio Lower Upper

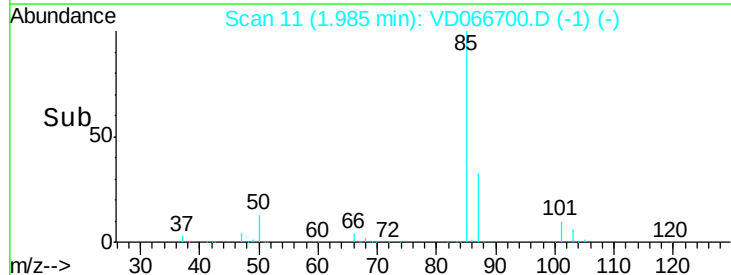
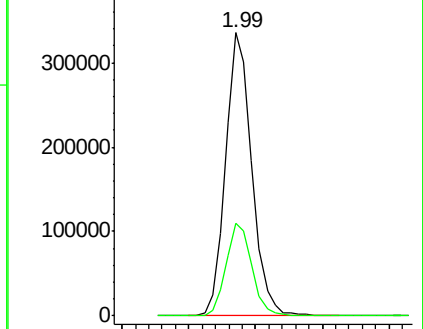
85 100

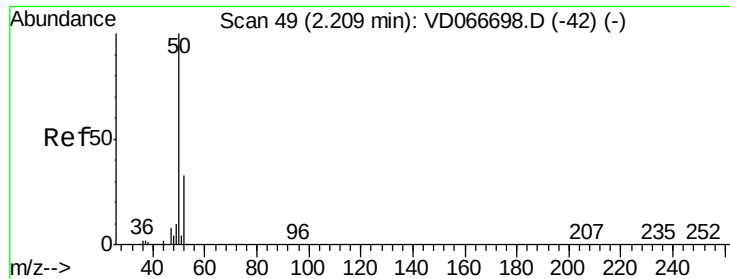
87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 128.732 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 627835

Ion Ratio Lower Upper

50 100

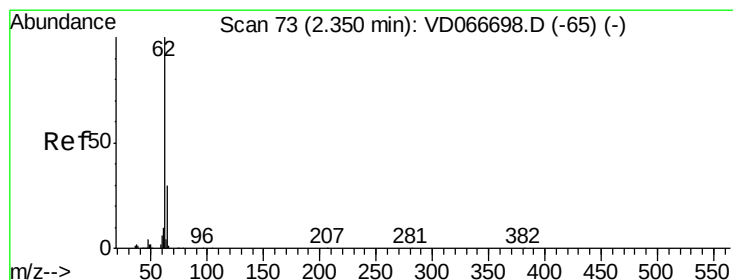
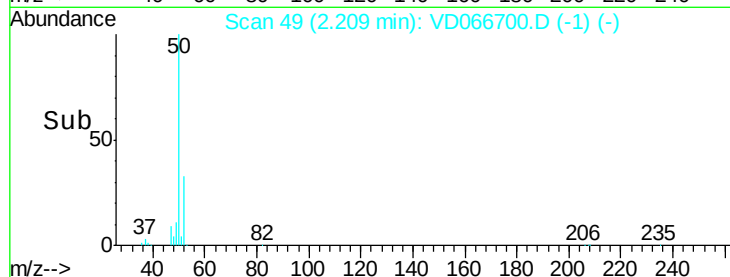
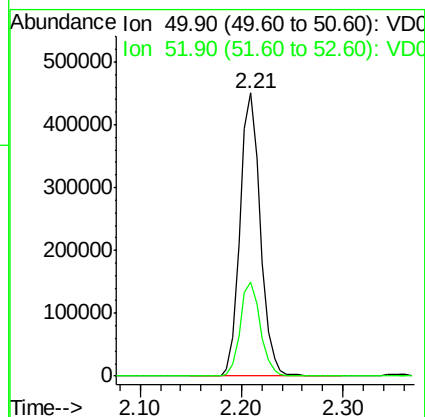
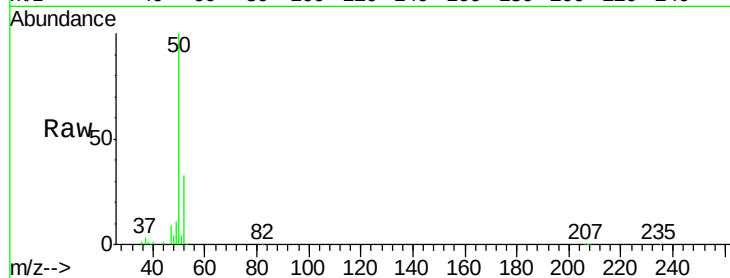
52 33.3 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 129.135 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066700.D

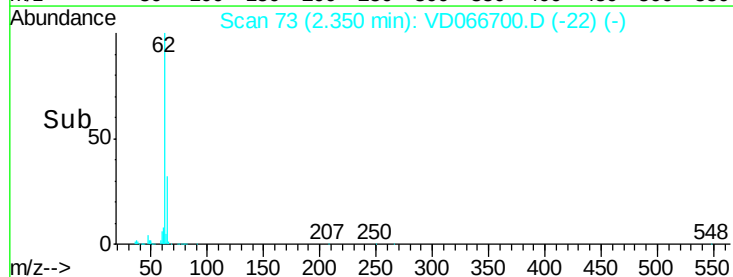
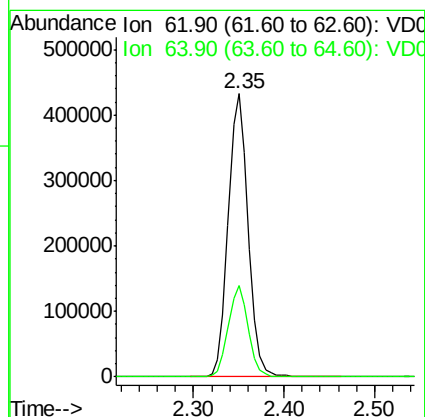
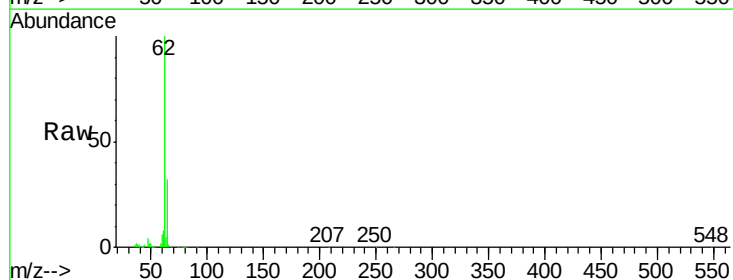
Acq: 15 Sep 2020 15:43

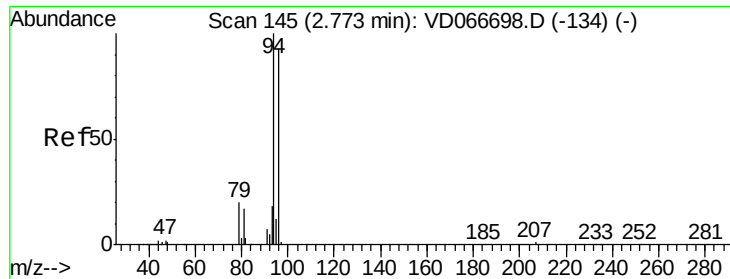
Tgt Ion: 62 Resp: 659139

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6





#5

Bromomethane

Concen: 121.363 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 439439

Ion Ratio Lower Upper

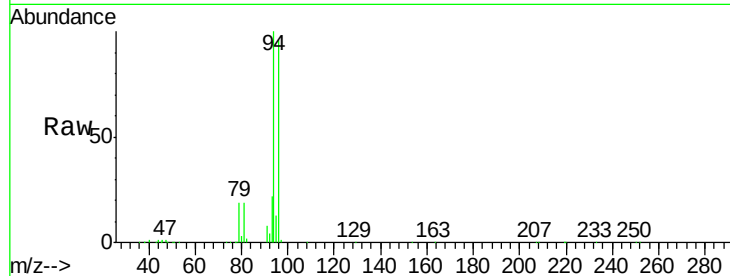
94 100

96 96.0 74.7 112.1

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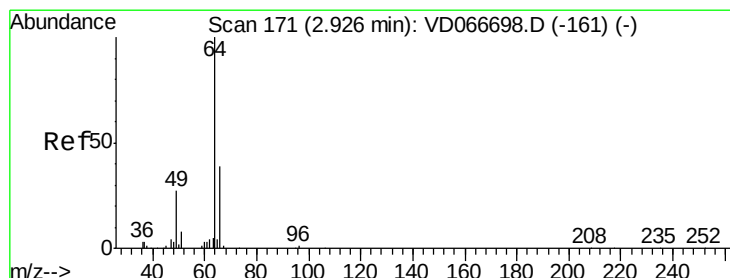
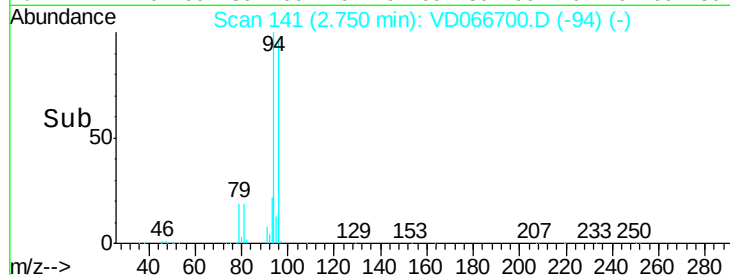
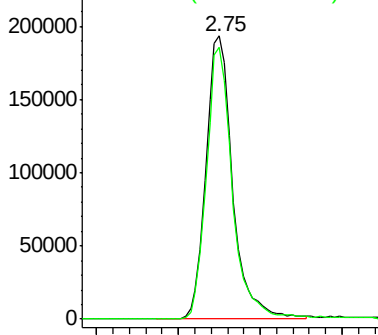
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 131.287 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066700.D

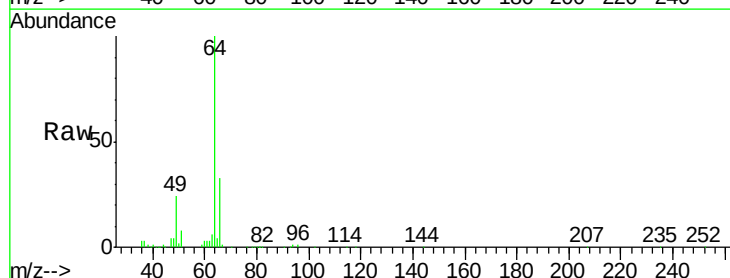
Acq: 15 Sep 2020 15:43

Tgt Ion: 64 Resp: 417463

Ion Ratio Lower Upper

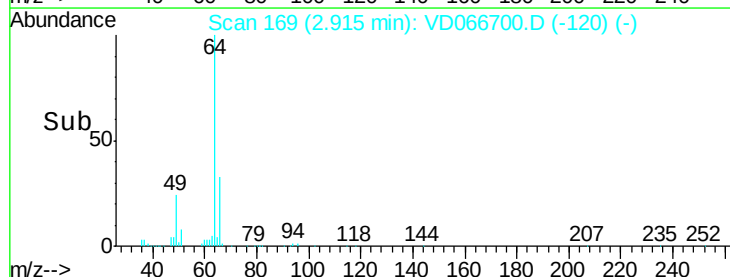
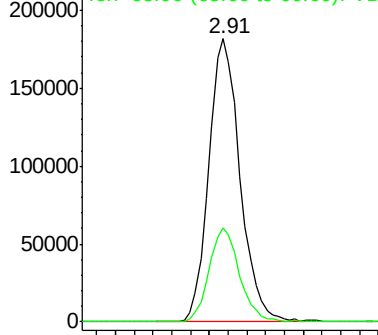
64 100

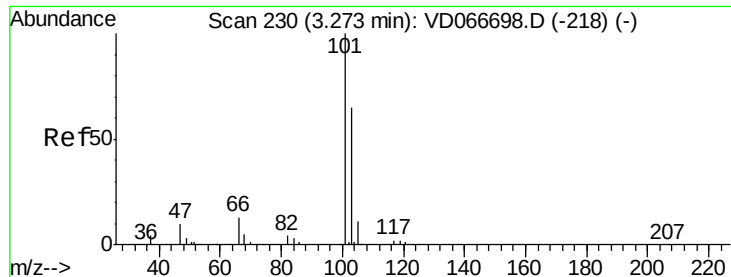
66 33.2 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

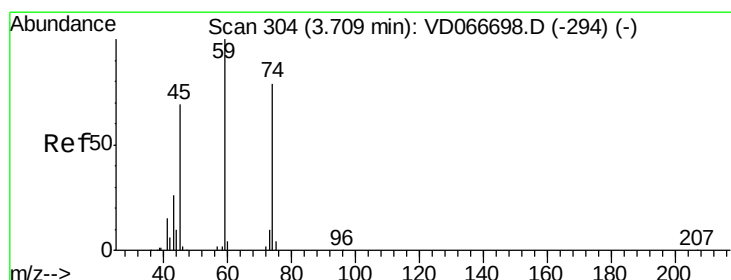
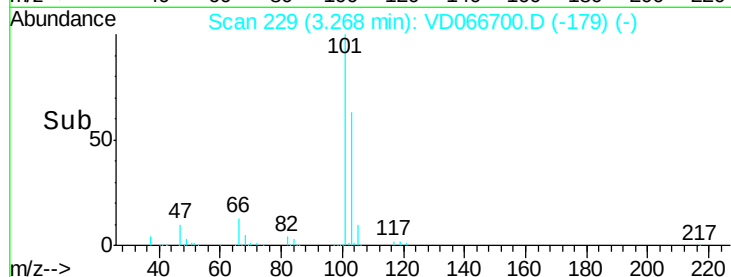
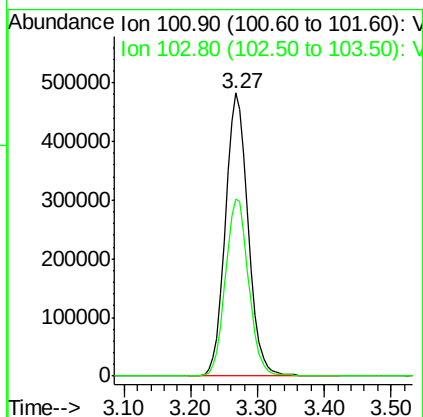
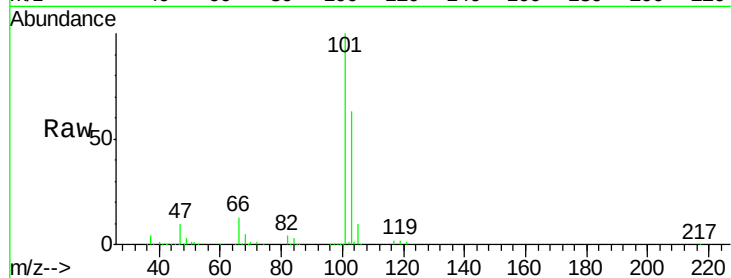
Trichlorofluoromethane
 Concen: 132.081 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1164459
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.8 77.8

Manual Integrations
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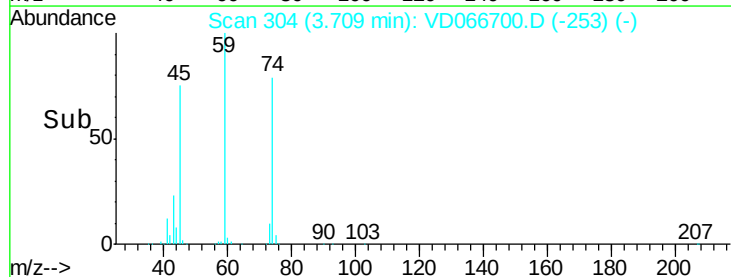
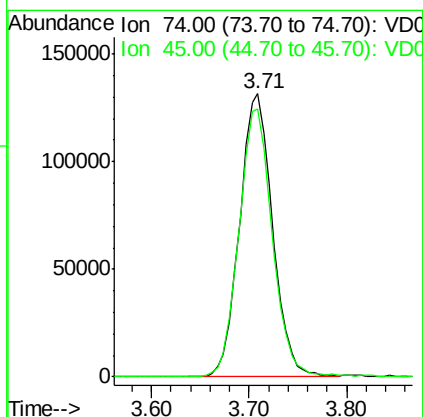
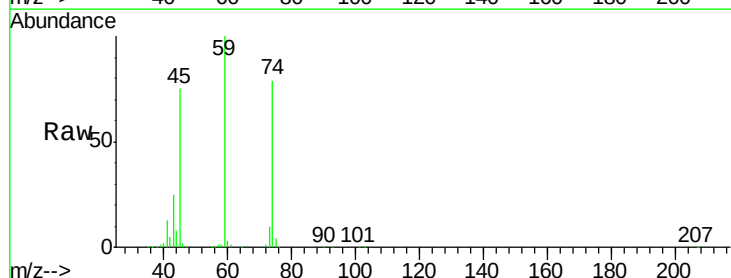
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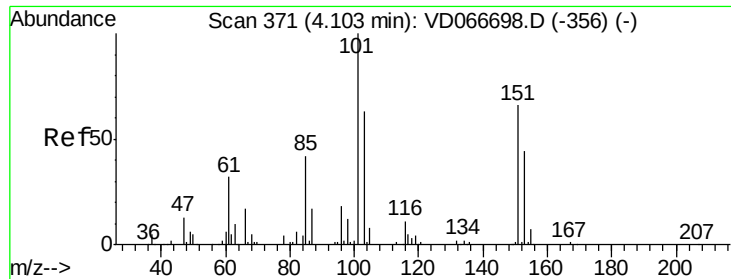


#8

Diethyl Ether
 Concen: 140.981 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion: 74 Resp: 311238
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.264 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

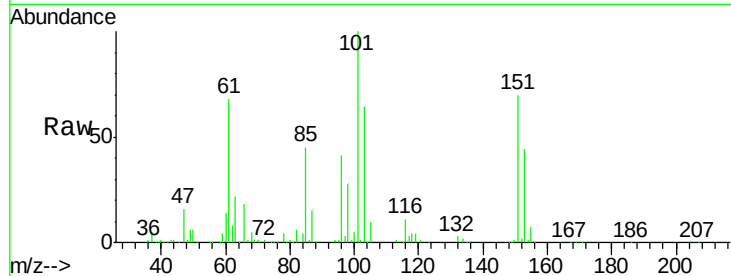
ClientSampled :

VSTDIC150

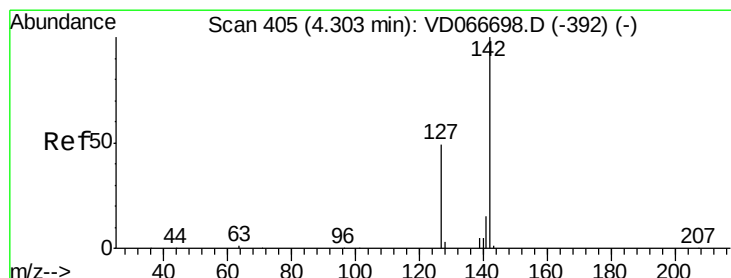
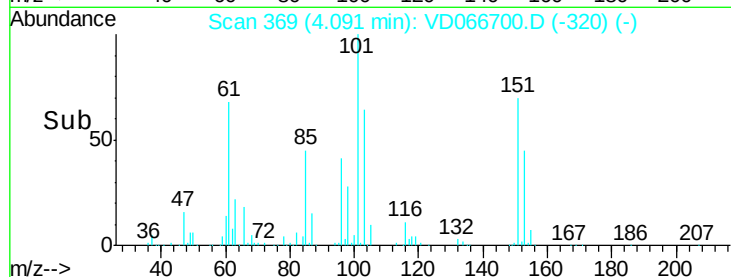
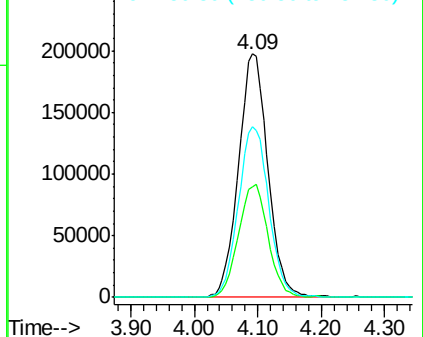
Tot Ion:	101	Resp:	635987
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.3	54.5
151	72.7	58.0	87.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 154.492 ug/l

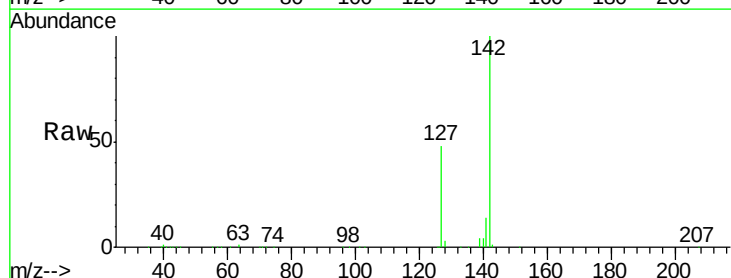
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

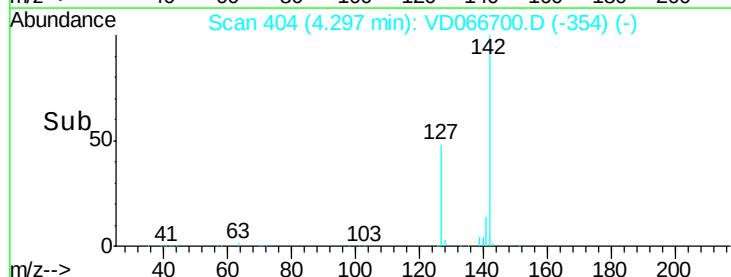
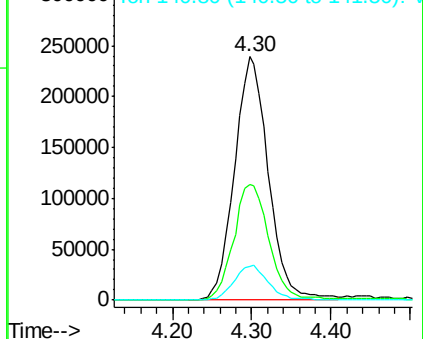
Lab File: VD066700.D

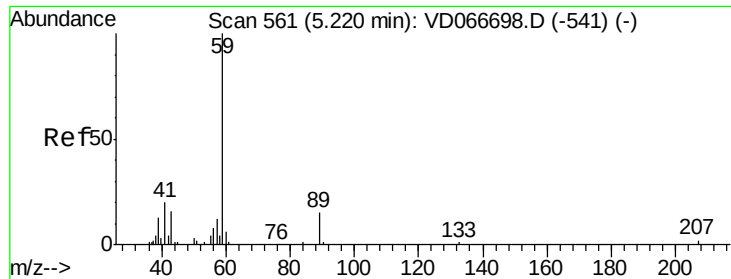
Acq: 15 Sep 2020 15:43

Tgt Ion:	142	Resp:	710209
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.0	58.4
141	14.4	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





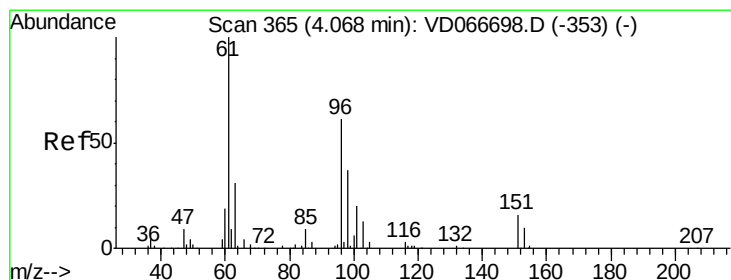
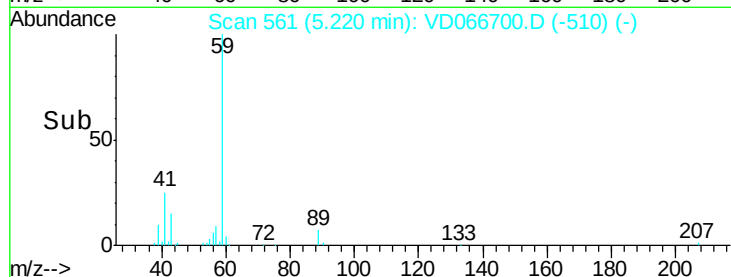
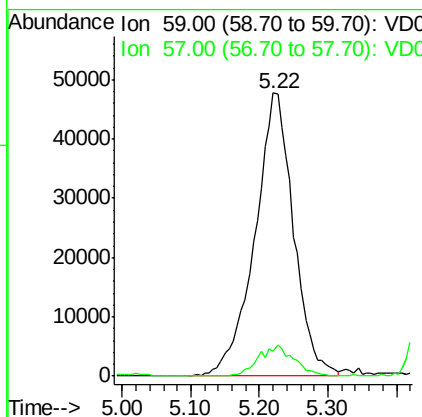
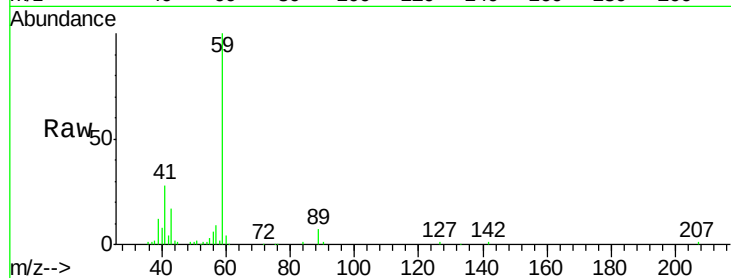
#11
Tert butyl alcohol
Concen: 387.967 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		187169		
57	10.1		6.7	10.1	

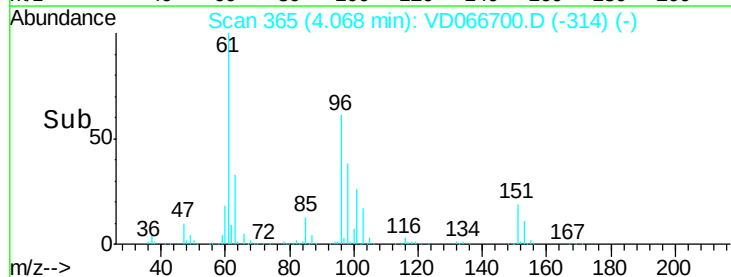
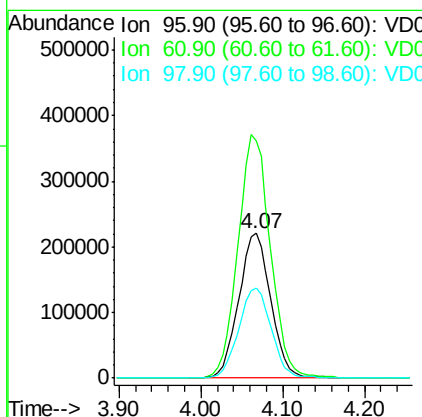
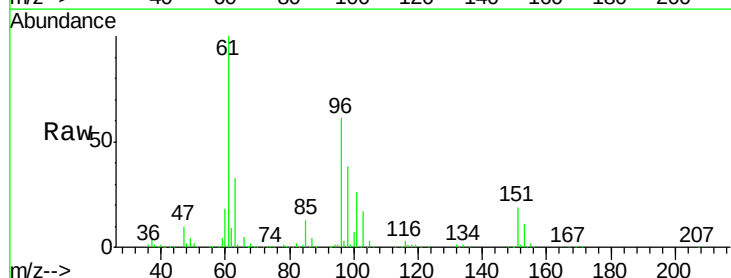
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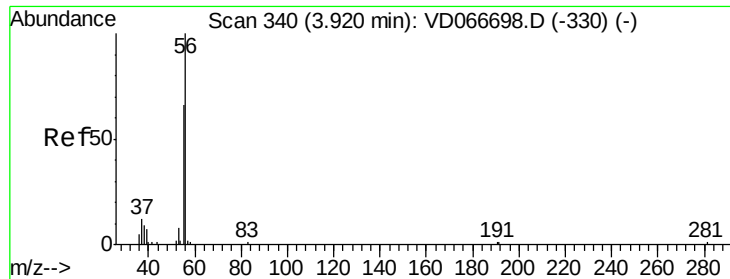
MMDadoda
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#12
1,1-Dichloroethene
Concen: 134.155 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		601617		
61	164.4		131.9	197.9	
98	62.5		49.1	73.7	





#13

Acrolein

Concen: 656.629 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 221447

Ion Ratio Lower Upper

56 100

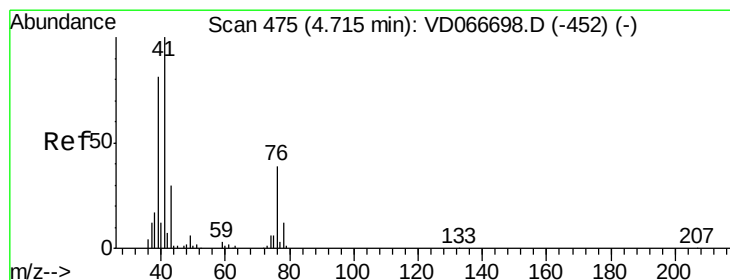
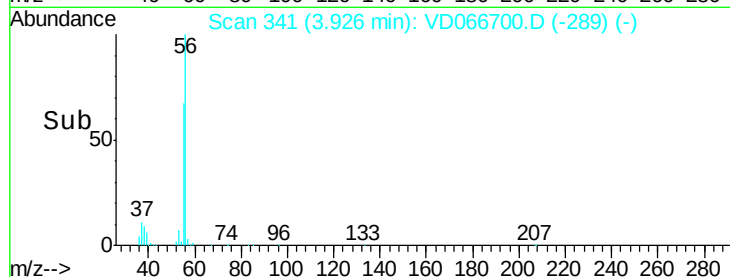
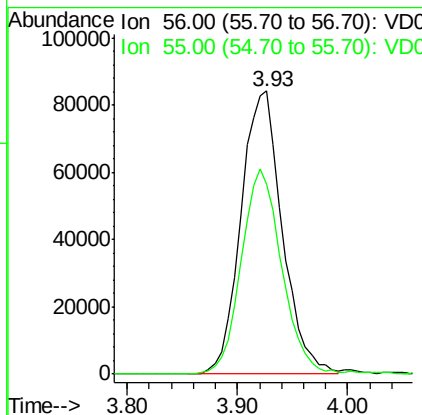
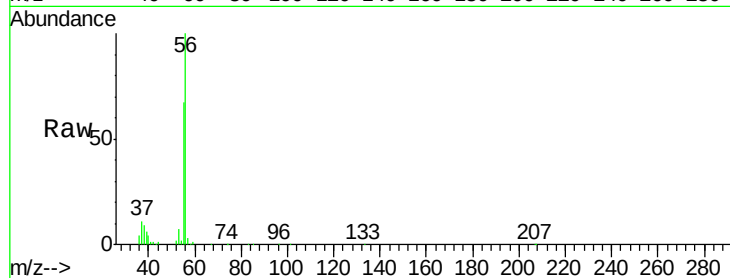
55 70.6 54.7 82.1

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#14

Allyl chloride

Concen: 142.119 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

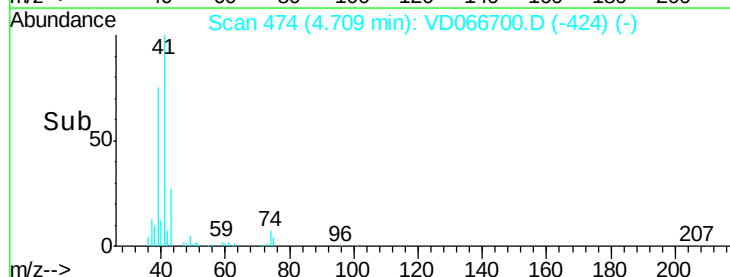
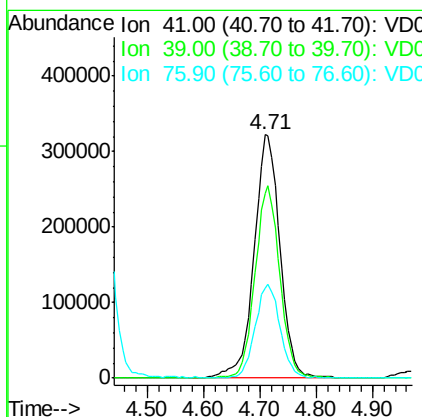
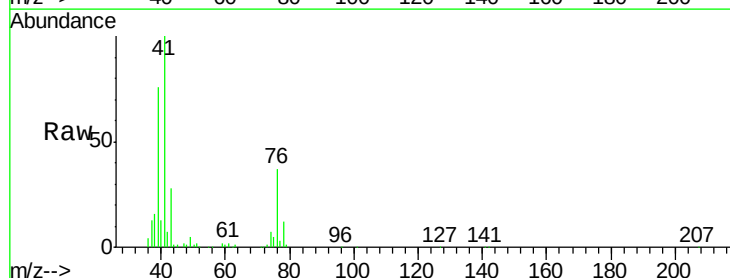
Tgt Ion: 41 Resp: 1023527

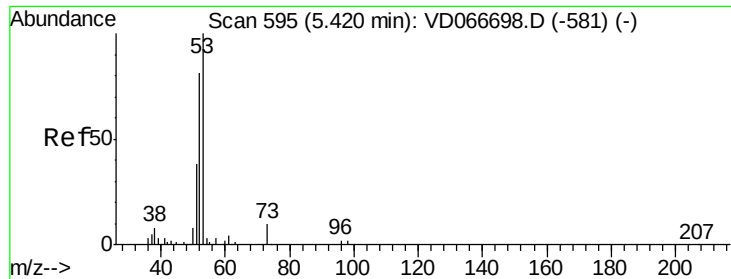
Ion Ratio Lower Upper

41 100

39 75.4 60.6 90.8

76 36.5 29.2 43.8





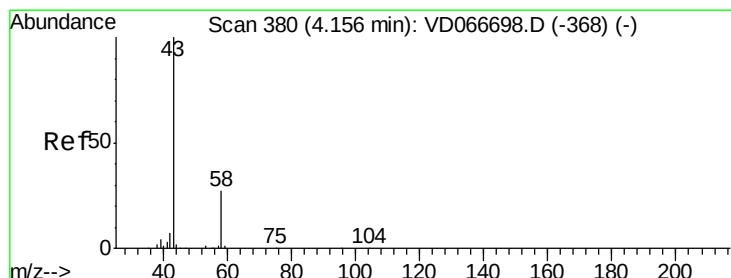
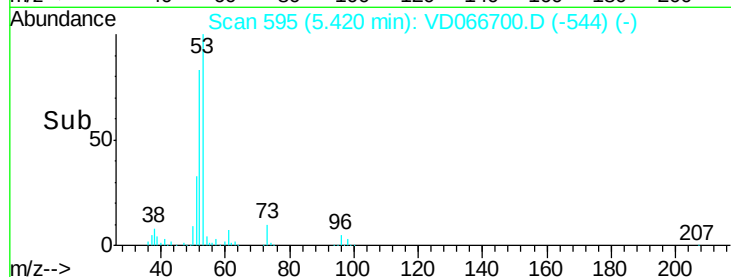
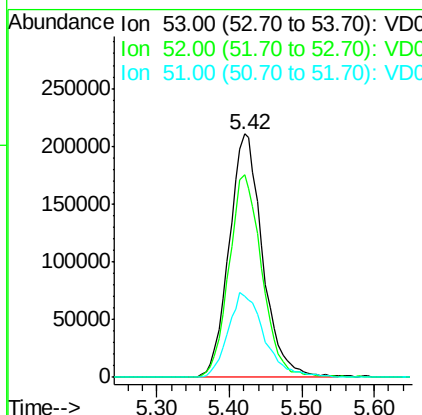
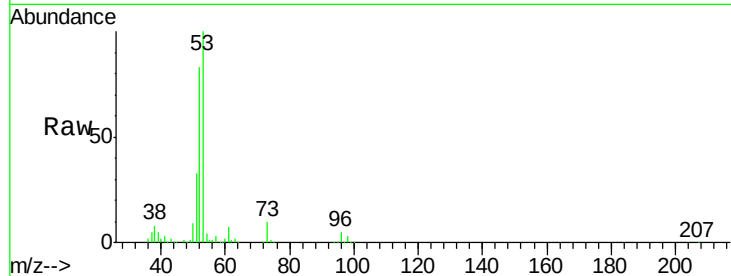
#15
 Acrylonitrile
 Concen: 697.371 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	53	Resp:	674425
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.6	99.8
51	37.5	31.0	46.6

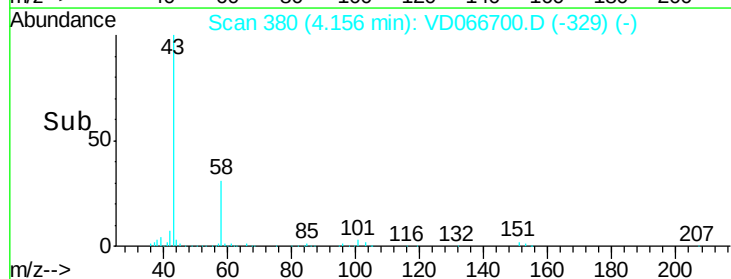
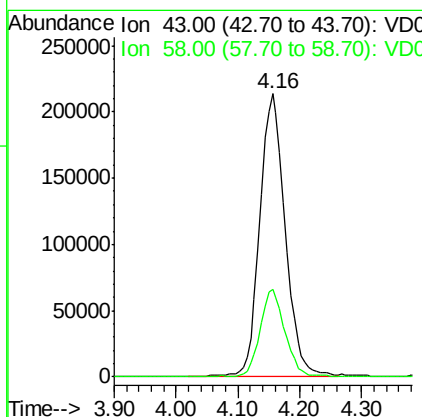
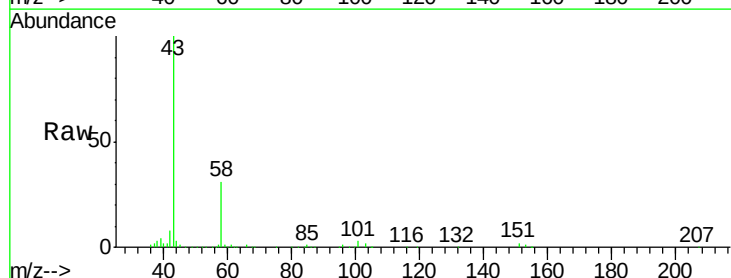
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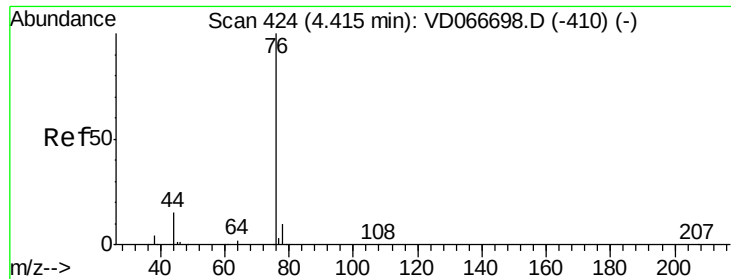
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#16
 Acetone
 Concen: 631.194 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion:	43	Resp:	614629
Ion Ratio	Lower	Upper	
43	100		
58	30.9	21.9	32.9





#17

Carbon Disulfide

Concen: 137.195 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1933303

Ion Ratio Lower Upper

76 100

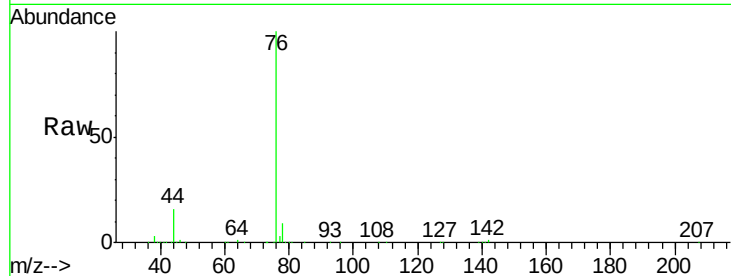
78 9.3 8.0 12.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

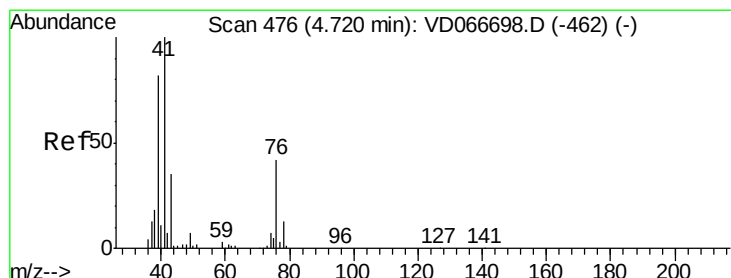
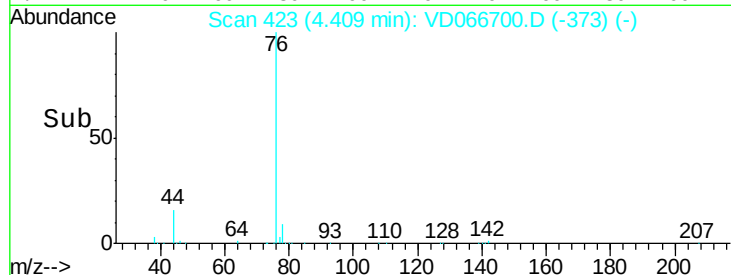
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 124.833 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD066700.D

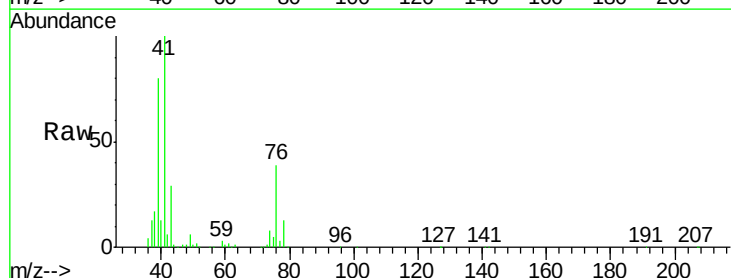
Acq: 15 Sep 2020 15:43

Tgt Ion: 43 Resp: 293431

Ion Ratio Lower Upper

43 100

74 24.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

100000

80000

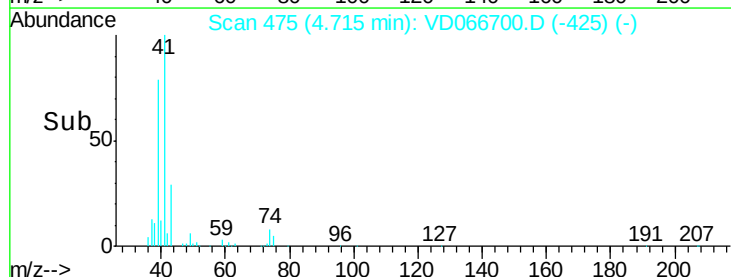
60000

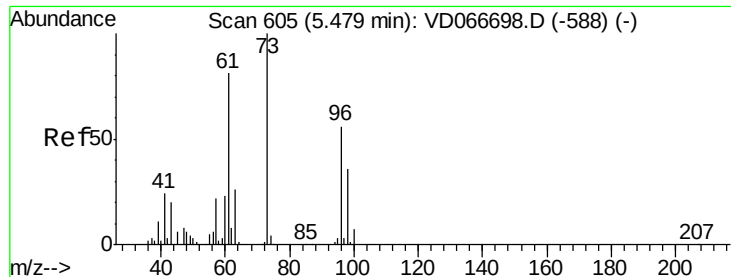
40000

20000

0

Time-->





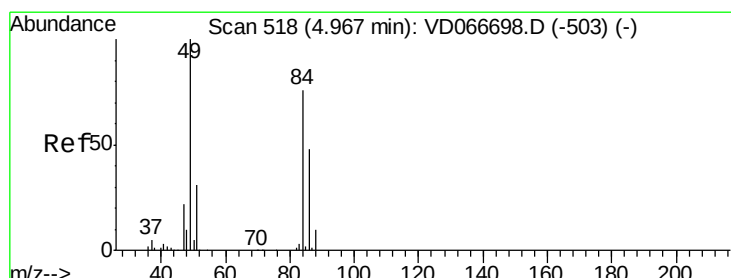
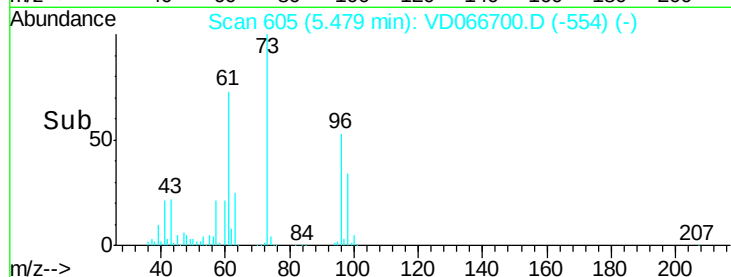
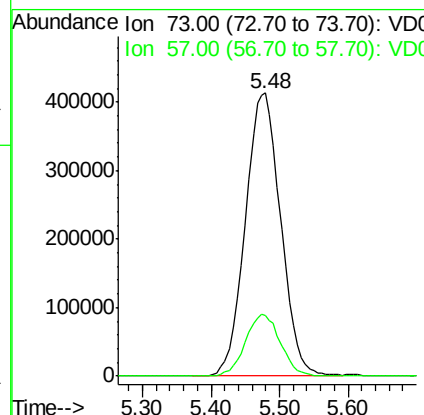
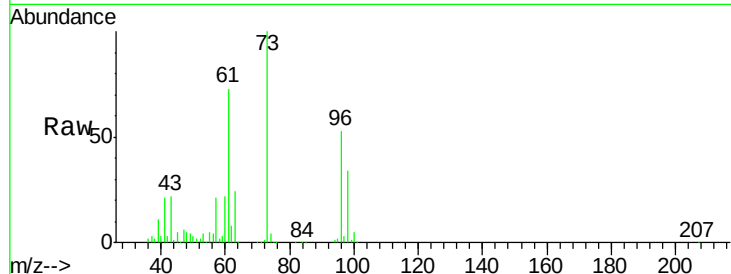
#19
Methyl tert-butyl Ether
Concen: 148.229 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1480622
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.6

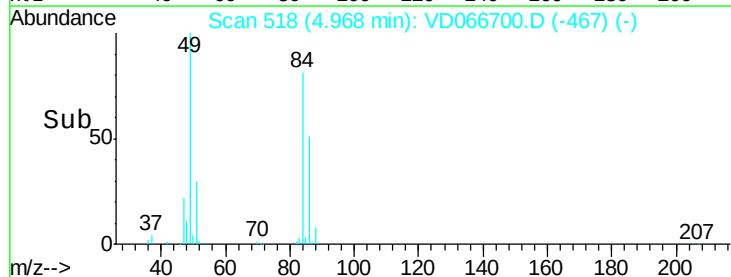
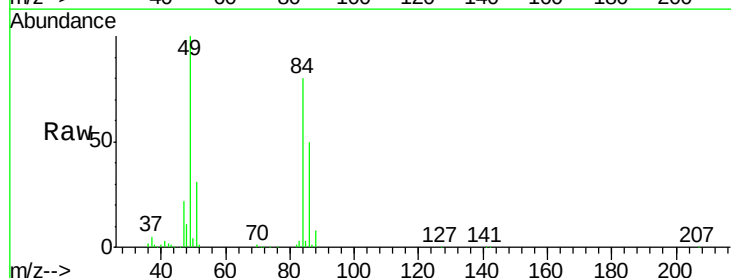
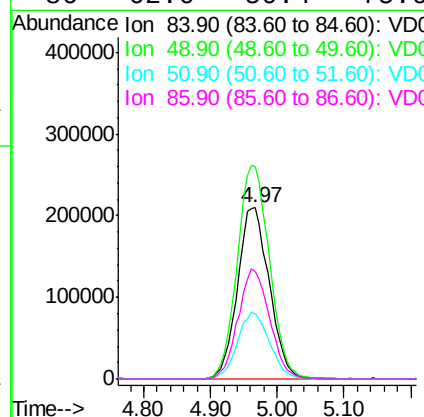
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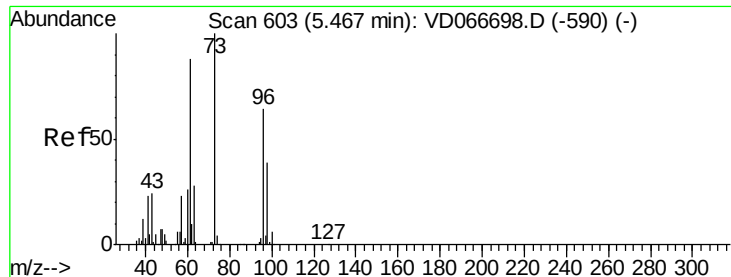
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#20
Methylene Chloride
Concen: 105.518 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion: 84 Resp: 695923
Ion Ratio Lower Upper
84 100
49 124.1 105.0 157.6
51 38.0 32.2 48.4
86 62.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 139.628 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 729518

Ion Ratio Lower Upper

96 100

61 139.3 110.6 166.0

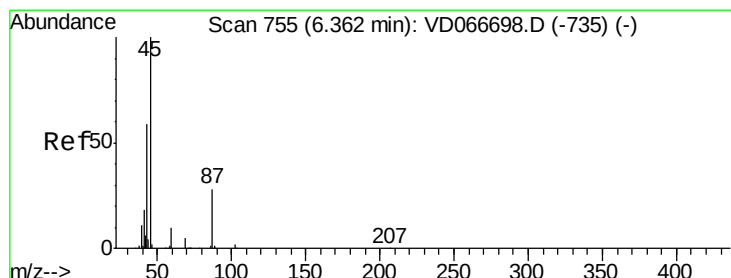
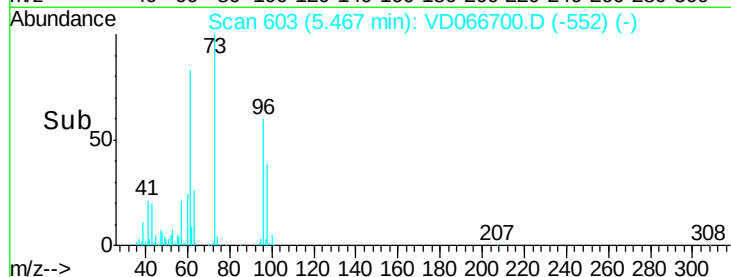
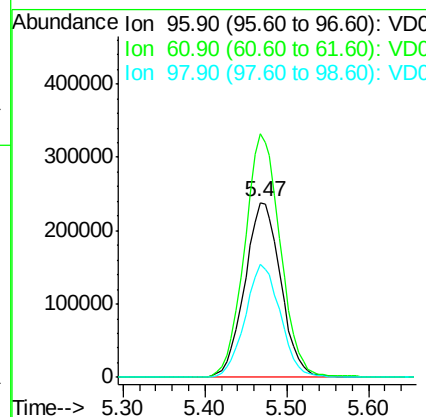
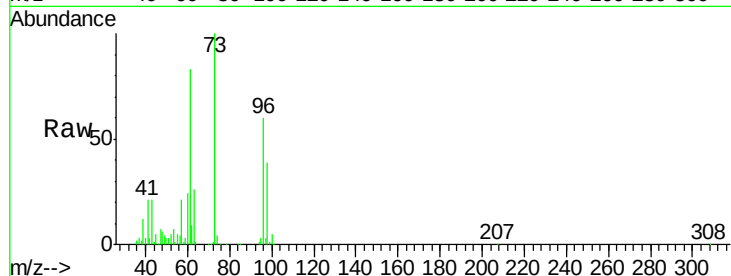
98 65.0 49.2 73.8

Manual Integrations

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9/16/2020 11:44:23 AM



#22

Diisopropyl ether

Concen: 143.036 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion: 45 Resp: 2093155

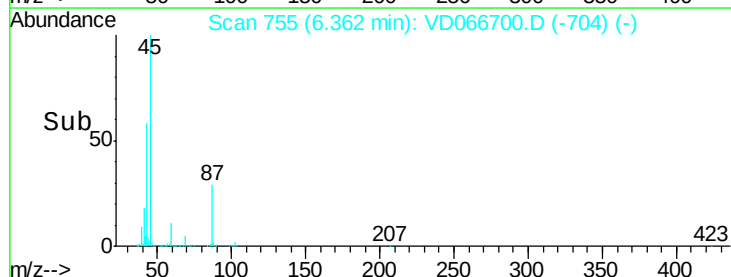
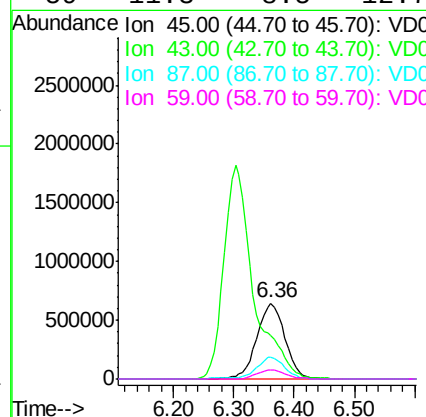
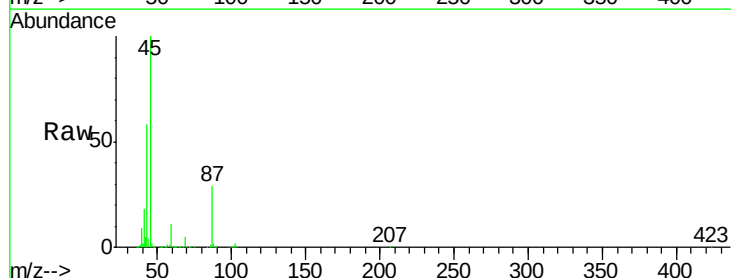
Ion Ratio Lower Upper

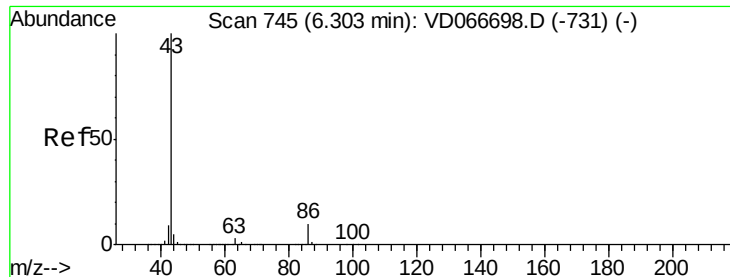
45 100

43 58.0 46.9 70.3

87 28.8 22.4 33.6

59 11.3 8.5 12.7





#23

Vinyl Acetate

Concen: 760.214 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6188131

Ion Ratio Lower Upper

43 100

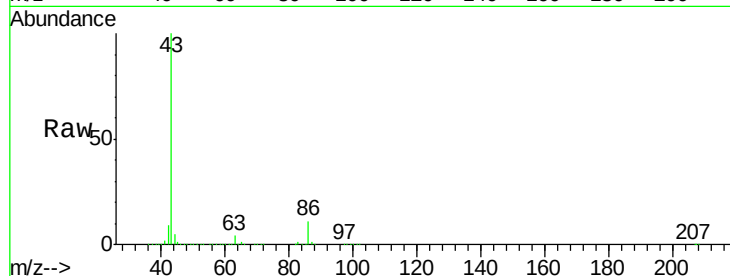
86 10.5 7.8 11.8

Manual Integrations

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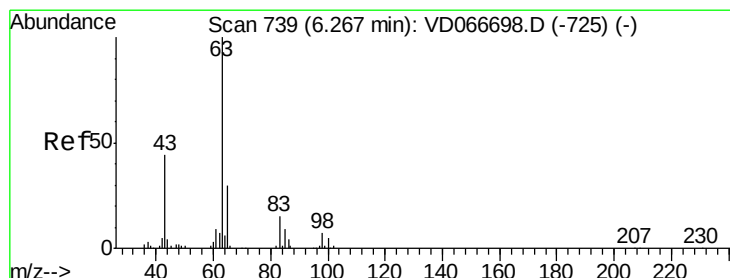
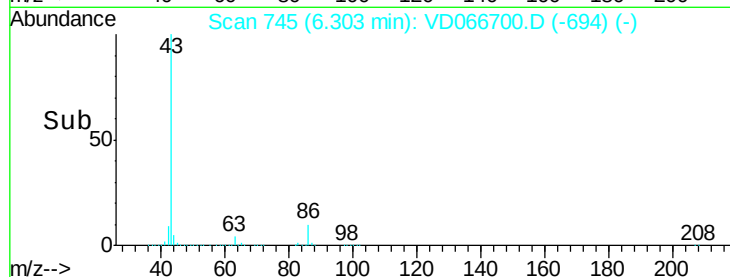
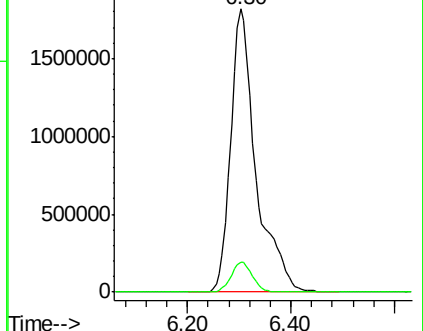
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 136.270 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

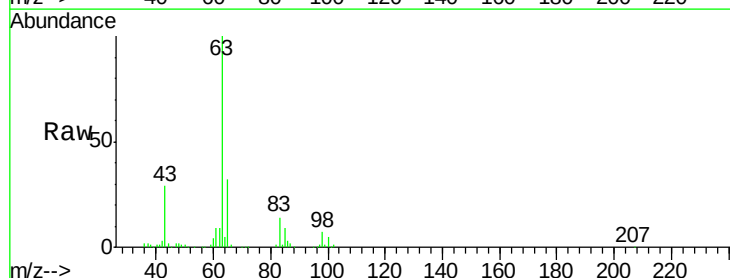
Tgt Ion: 63 Resp: 1265426

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

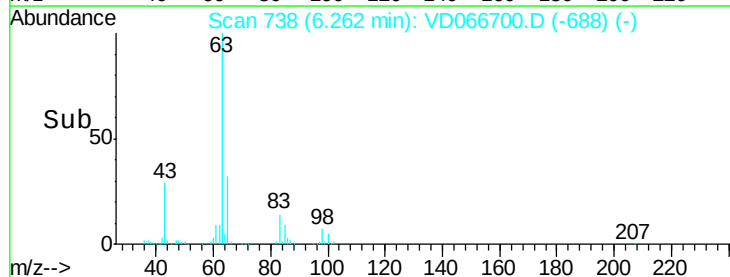
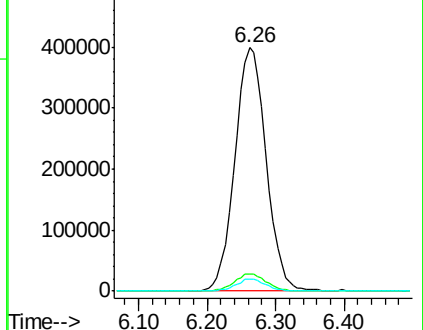
100 4.7 2.6 8.0

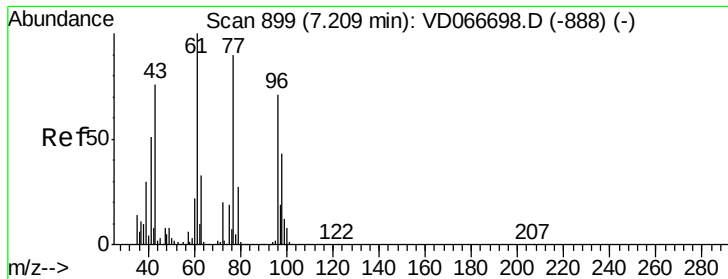


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 685.844 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 869631

Ion Ratio Lower Upper

43 100

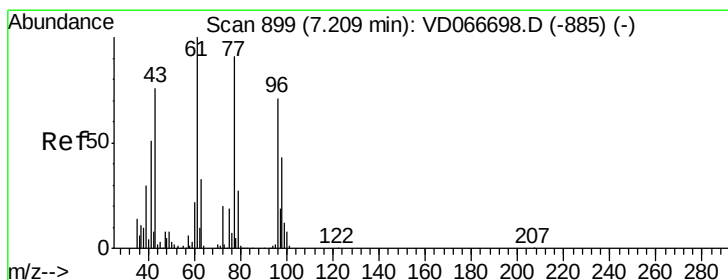
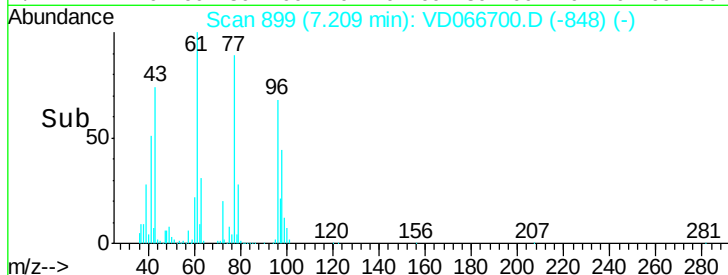
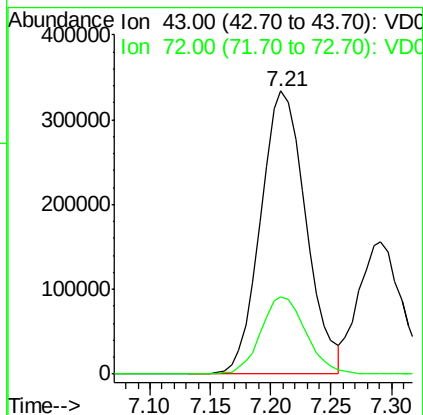
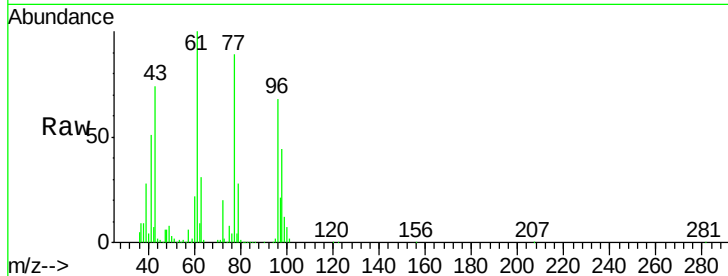
72 27.2 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 134.589 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066700.D

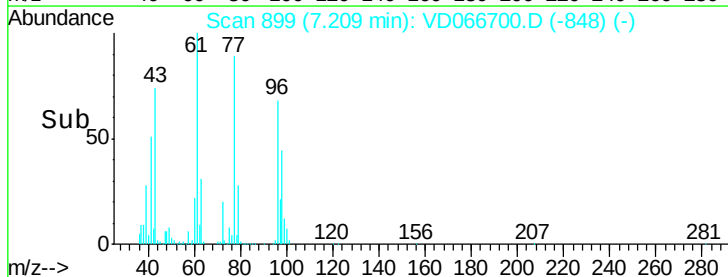
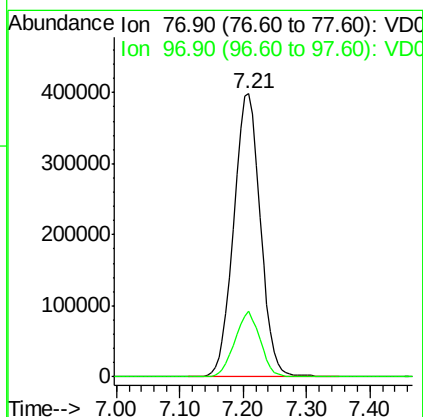
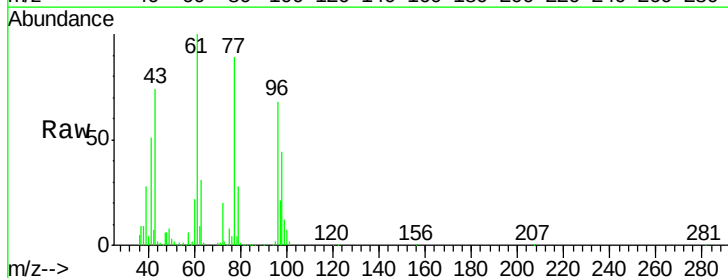
Acq: 15 Sep 2020 15:43

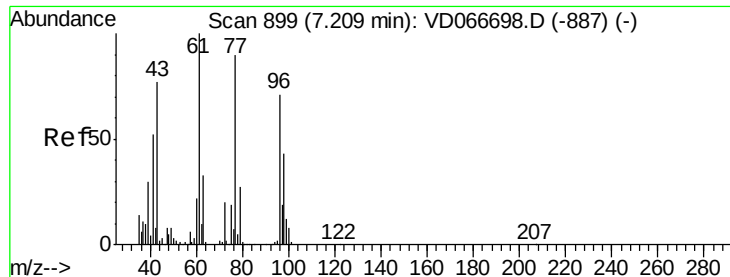
Tgt Ion: 77 Resp: 1155725

Ion Ratio Lower Upper

77 100

97 22.1 10.6 31.8





#27

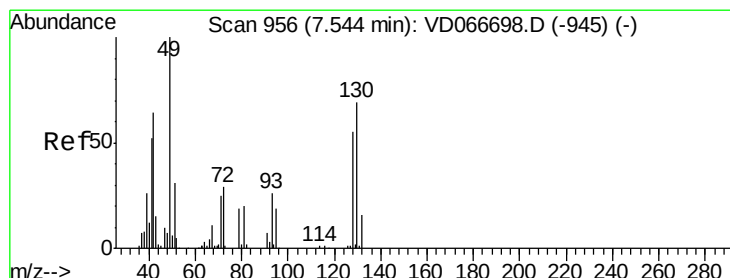
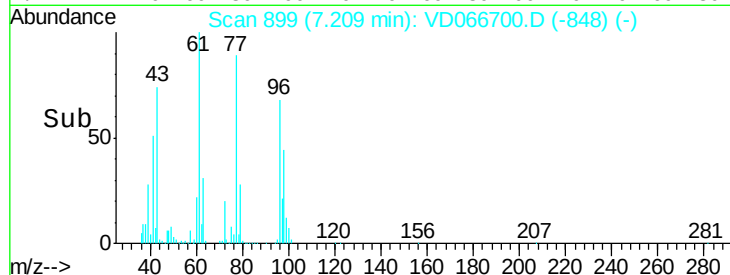
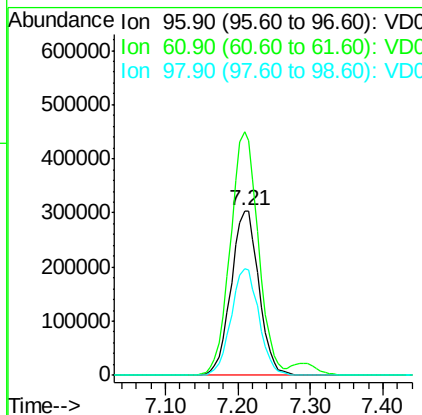
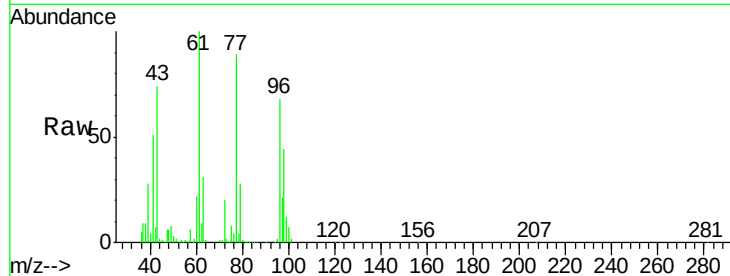
cis-1,2-Dichloroethene
 Concen: 142.024 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	811789		
61	148.6	0.0	292.4	
98	65.0	0.0	127.0	

Manual Integrations
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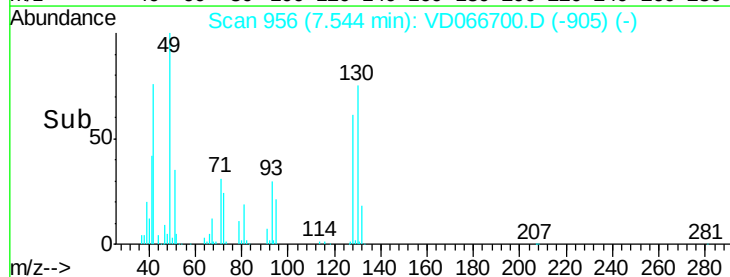
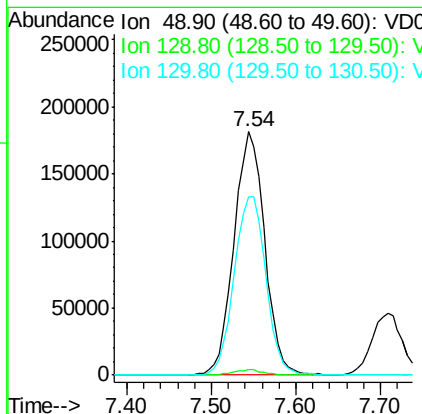
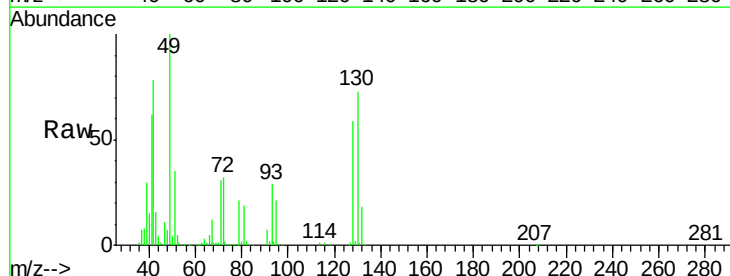
MMDadoda
 9/16/2020 11:44:23 AM

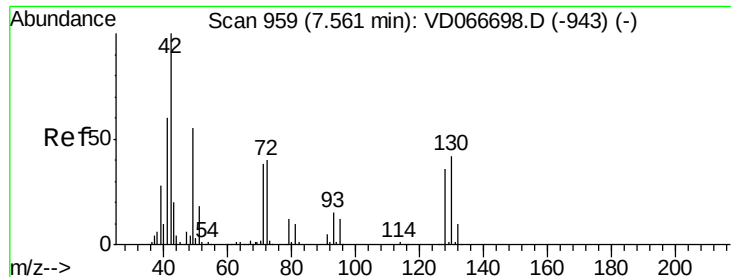


#28

Bromochloromethane
 Concen: 131.526 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	456201		
129	2.1	0.0	3.8	
130	75.7	58.6	88.0	





#29

Tetrahydrofuran

Concen: 721.740 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

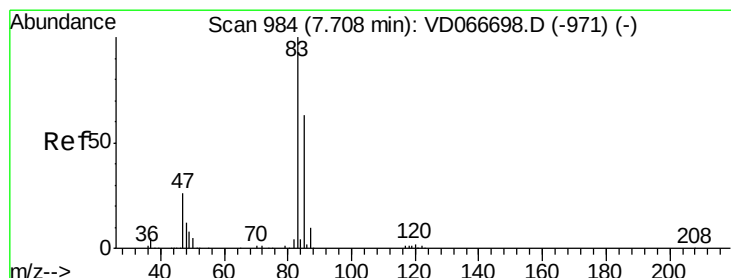
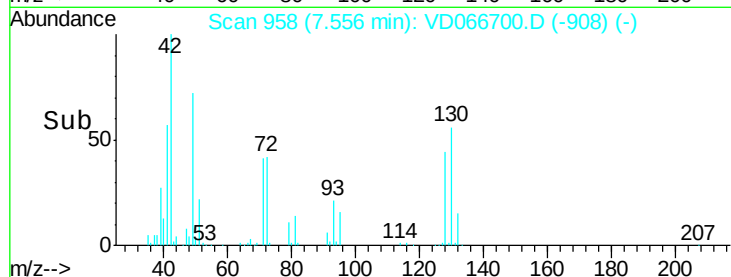
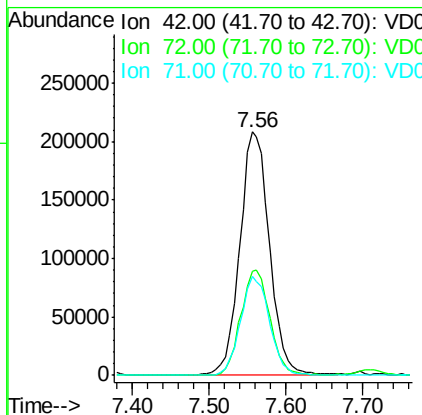
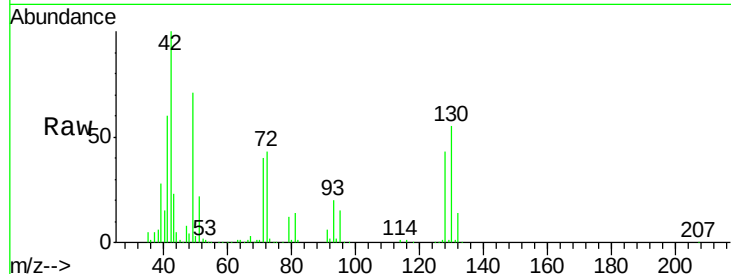
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	559917
Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.6	48.8
71	39.9	30.6	45.8

Manual Integrations
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#30

Chloroform

Concen: 135.473 ug/l

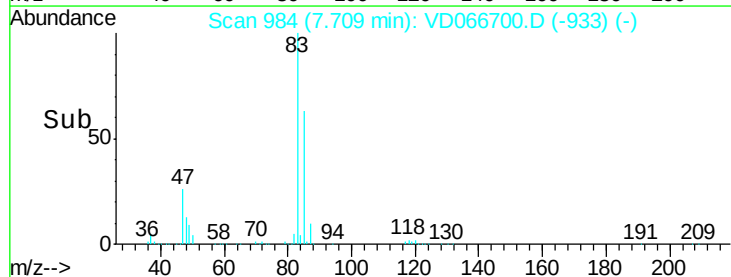
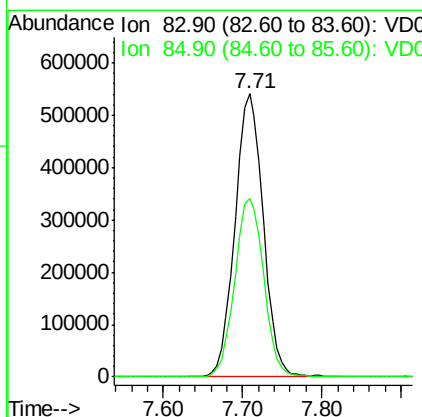
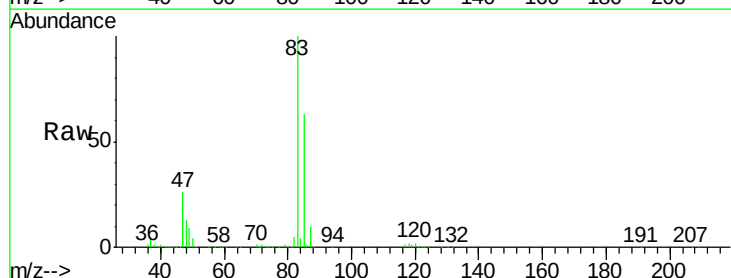
RT: 7.71 min Scan# 984

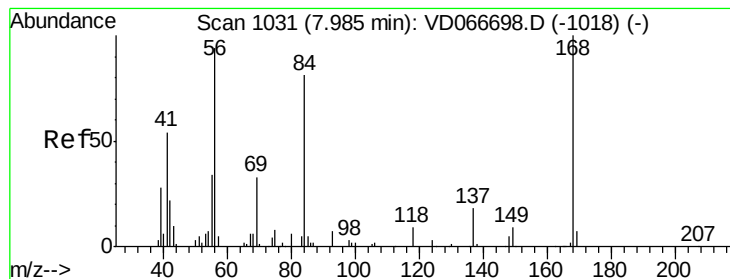
Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion:	83	Resp:	1338896
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.6	76.0





#31

Cyclohexane

Concen: 135.059 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1140792

Ion Ratio Lower Upper

56 100

69 31.6 27.7 41.5

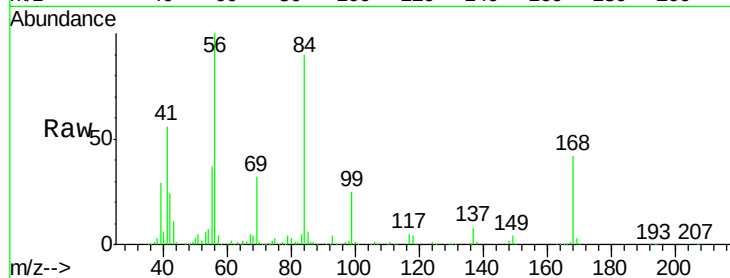
84 87.7 68.5 102.7

Manual Integrations

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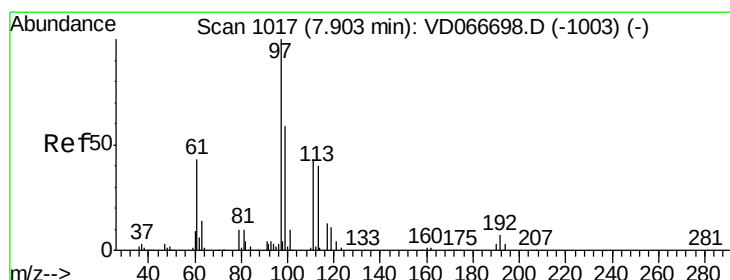
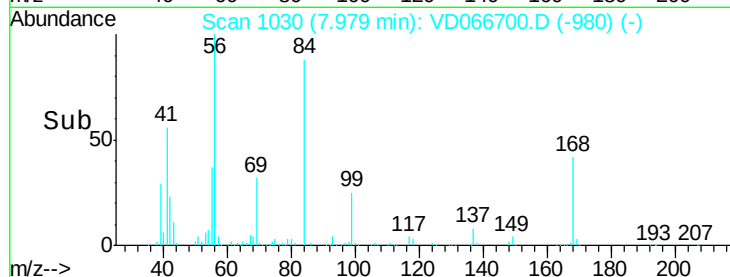
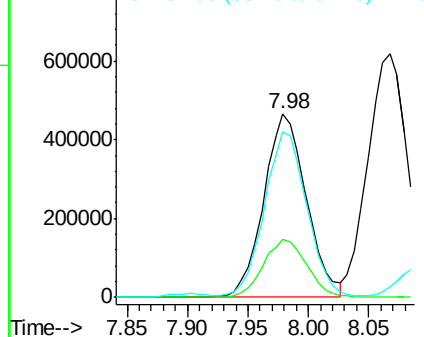


Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 138.424 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

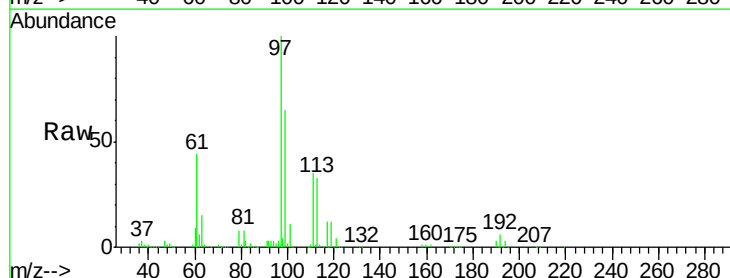
Tgt Ion: 97 Resp: 1251866

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 44.0 35.2 52.8

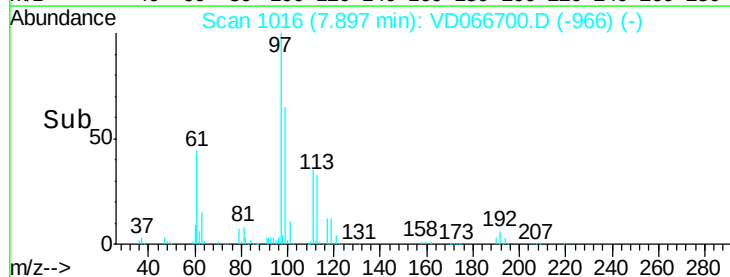
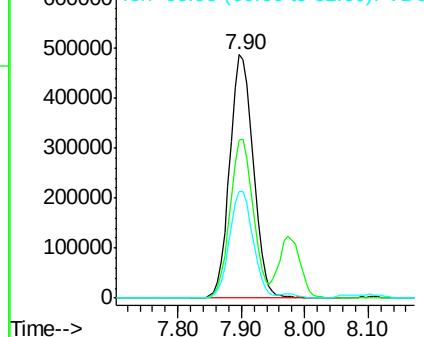


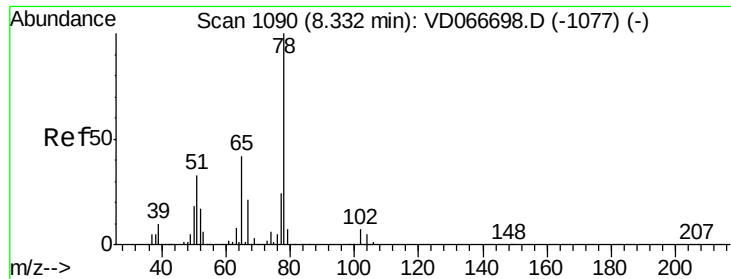
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





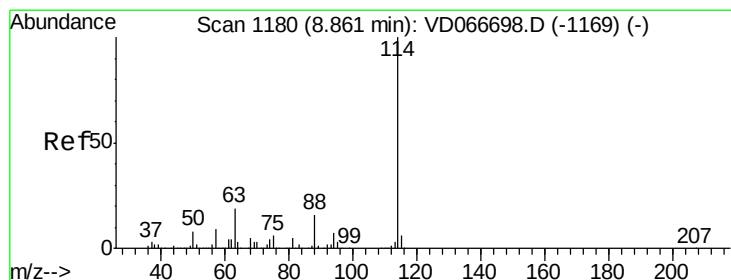
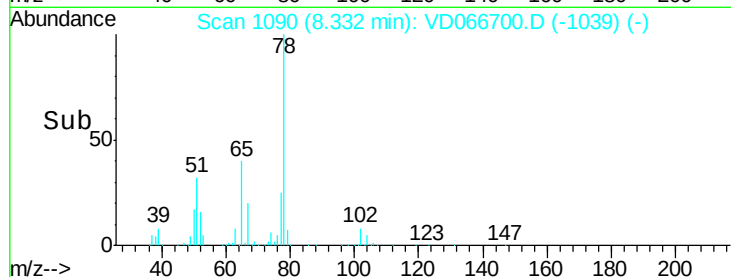
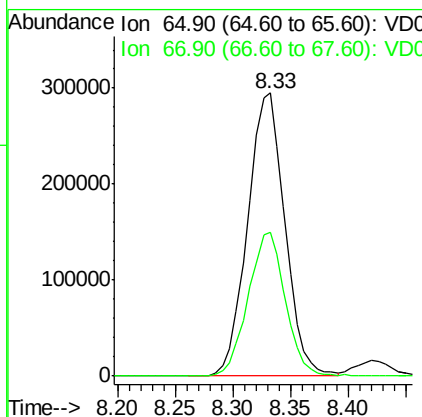
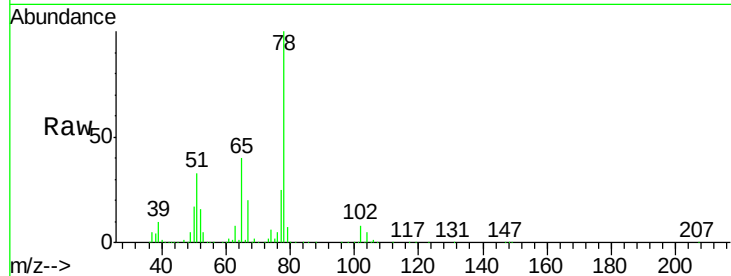
#33
 1,2-Dichloroethane-d4
 Concen: 139.250 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	665862		
67	50.7	0.0	102.2	

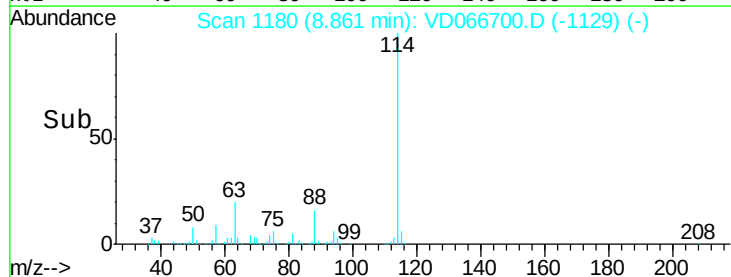
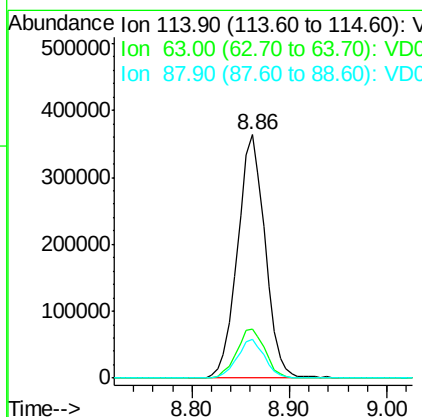
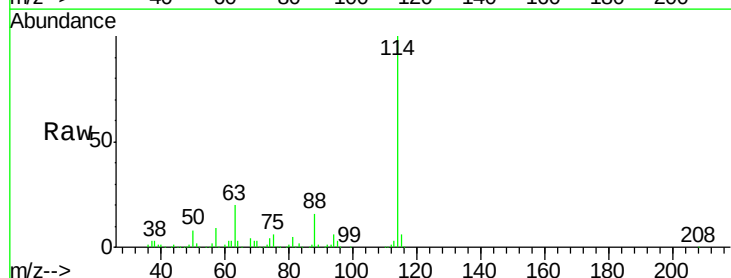
Manual Integrations
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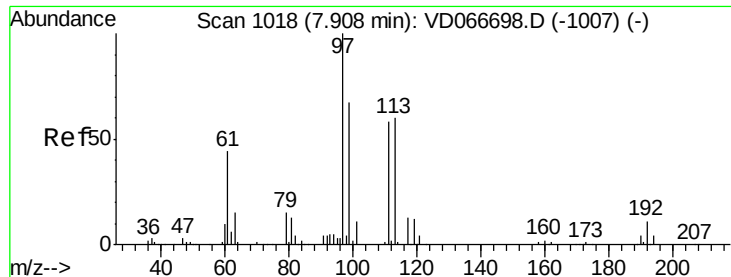
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	717802		
63	20.1	0.0	37.6	
88	15.8	0.0	32.2	





#35

Dibromofluoromethane

Concen: 143.598 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

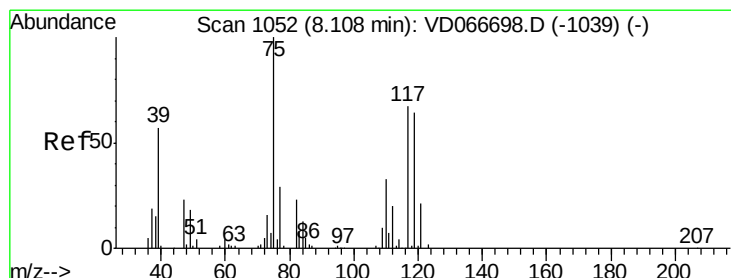
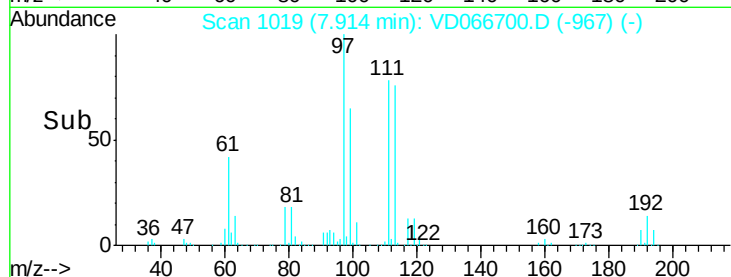
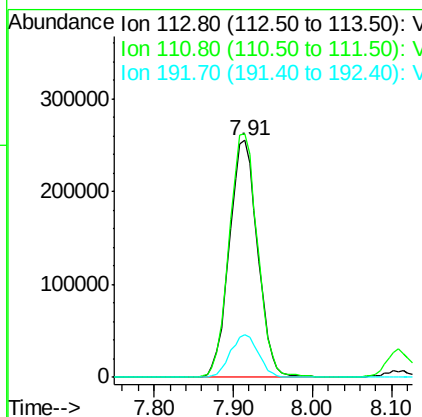
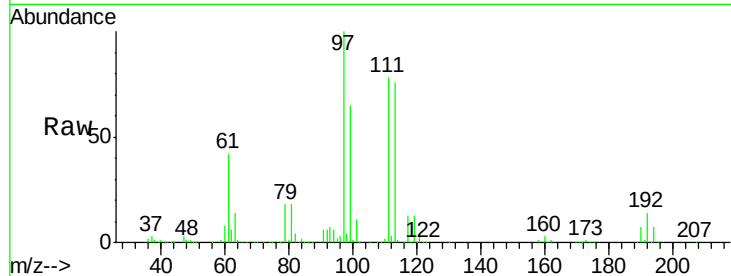
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	631946		
111	102.9	83.2	124.8	
192	18.0	14.8	22.2	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 141.619 ug/l

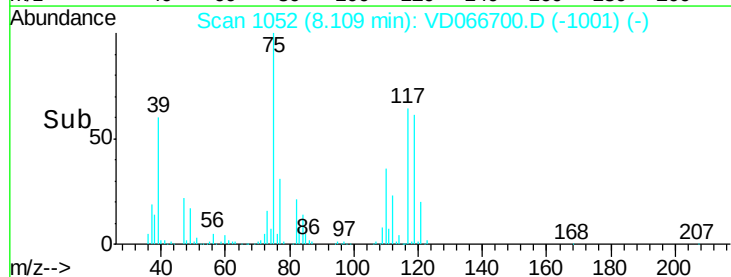
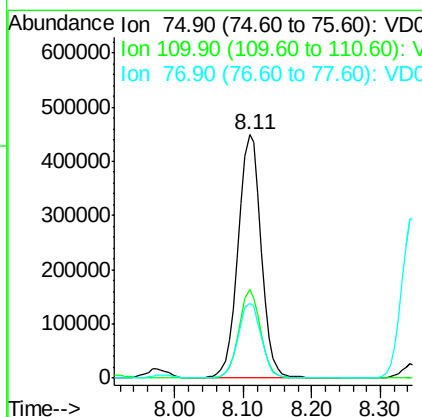
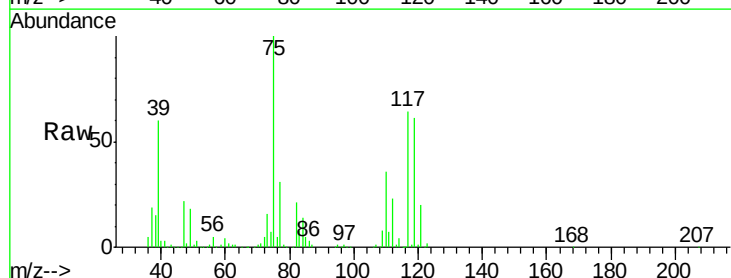
RT: 8.11 min Scan# 1052

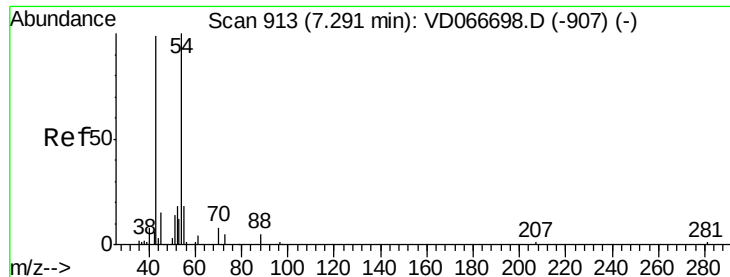
Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1045148		
110	34.5	17.1	51.2	
77	31.0	25.0	37.6	





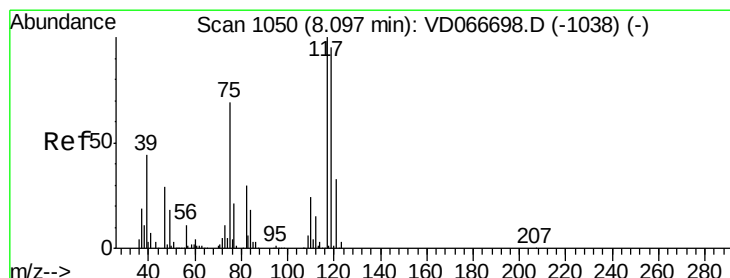
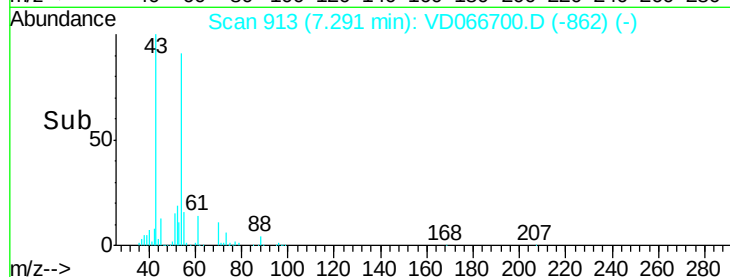
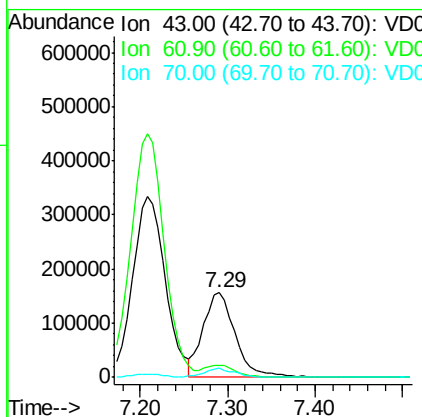
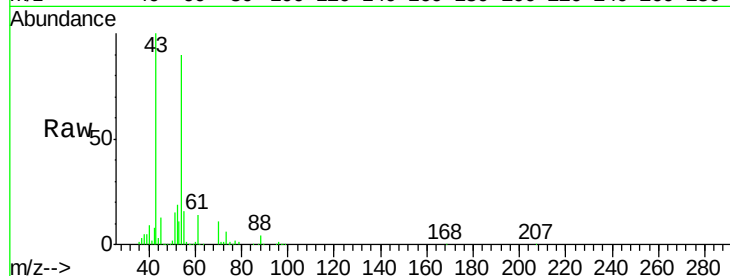
#37
Ethyl Acetate
Concen: 143.094 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.4	15.6
70	9.9	7.5	11.3

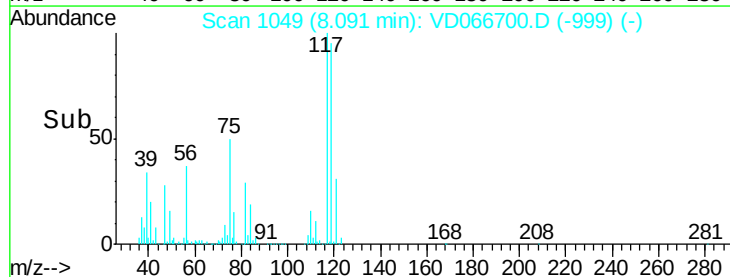
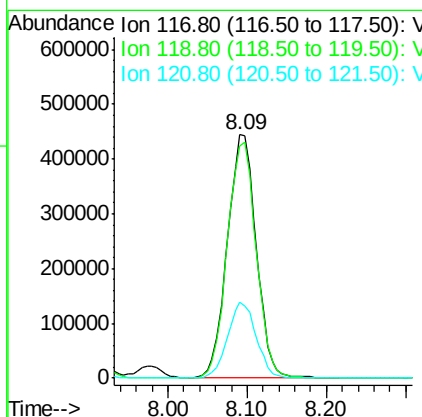
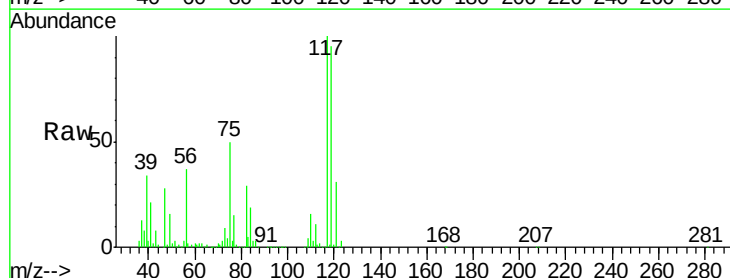
Manual Integrations
APPROVED

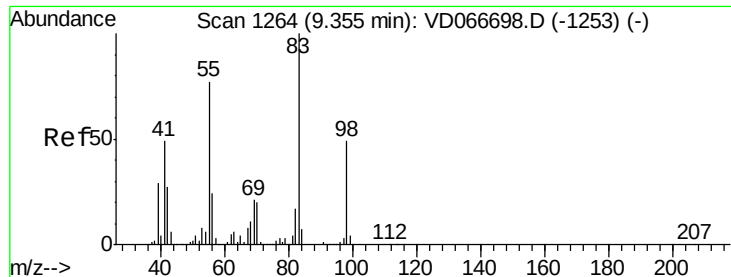
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#38
Carbon Tetrachloride
Concen: 142.701 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.6
121	31.0	26.2	39.4





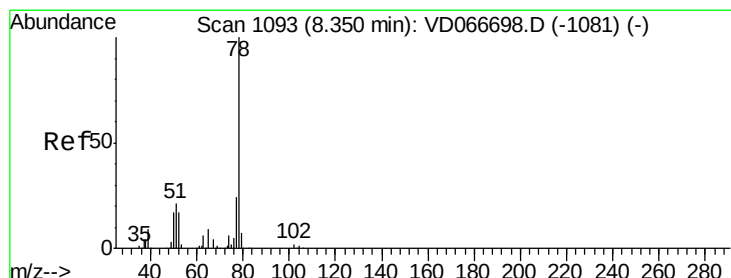
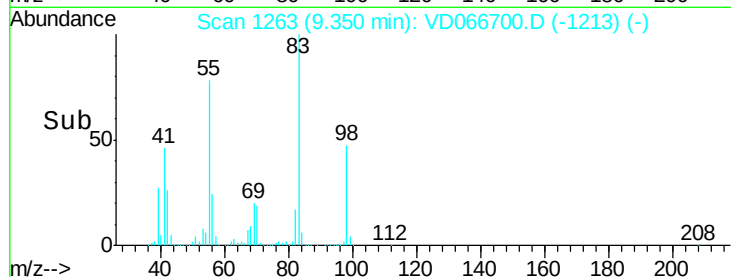
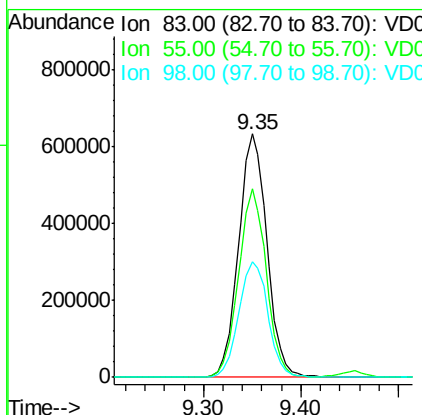
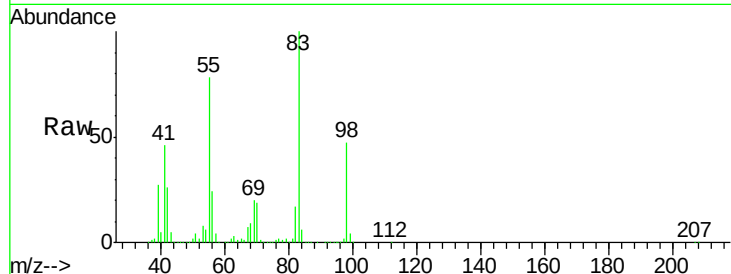
#39
Methylvlcyclohexane
Concen: 151.984 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.5	92.3
98	47.3	39.3	58.9

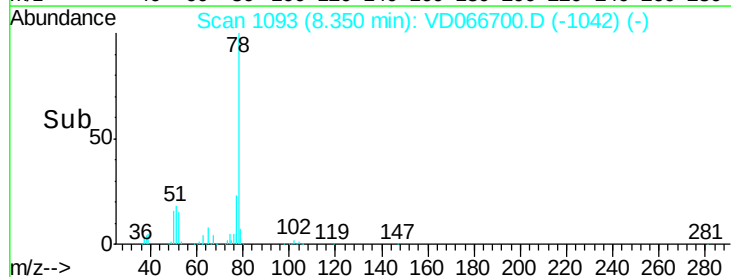
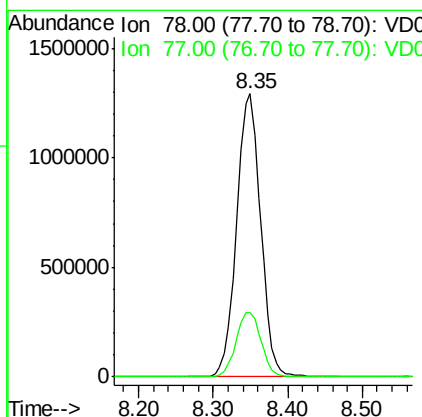
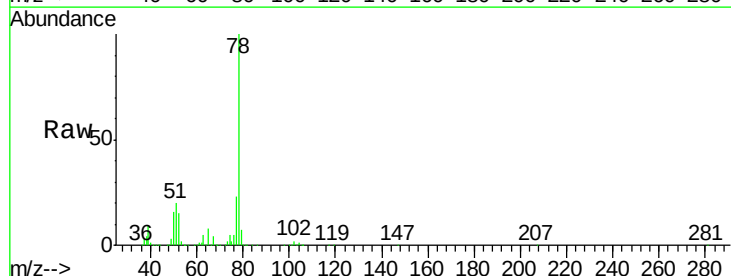
Manual Integrations
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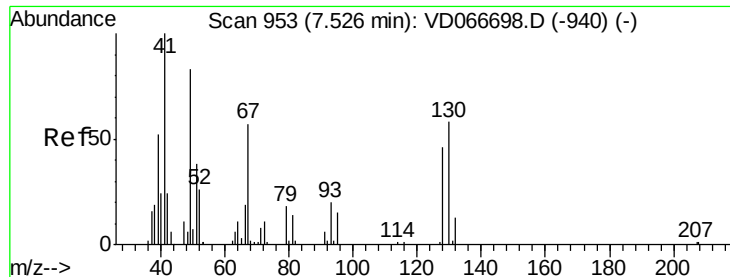
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#40
Benzene
Concen: 144.685 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9





#41

Methacrylonitrile

Concen: 162.819 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 220245

Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

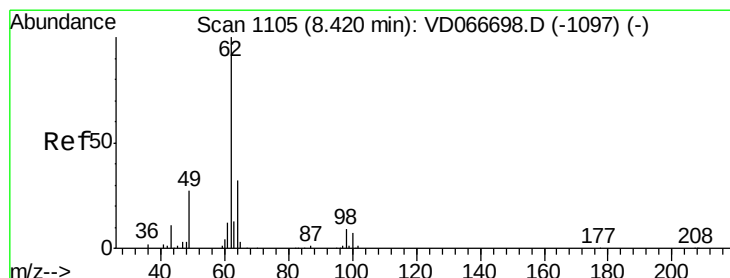
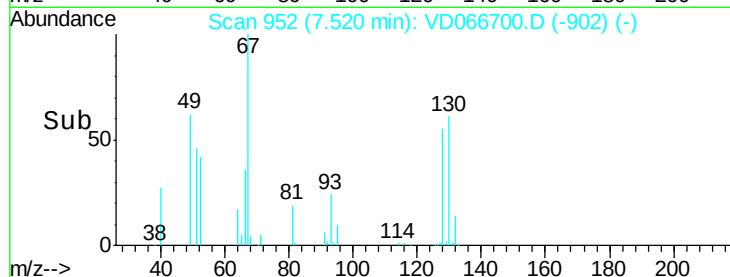
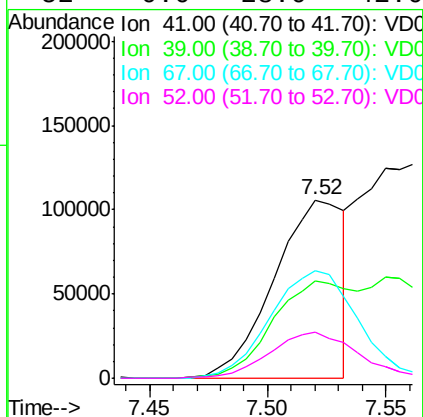
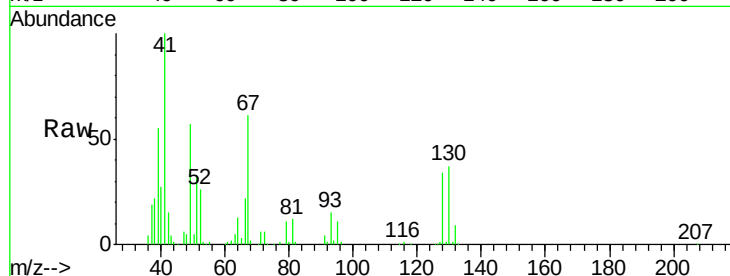
67 0.0 62.3 93.5#

52 0.0 28.0 42.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 139.705 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066700.D

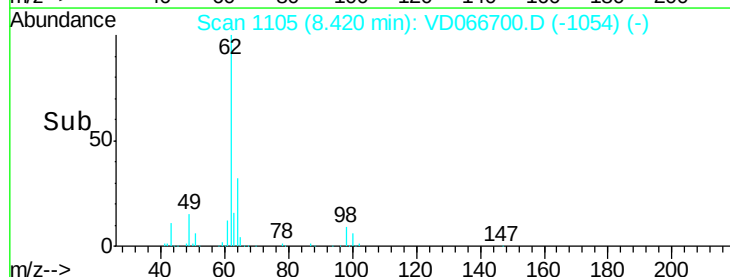
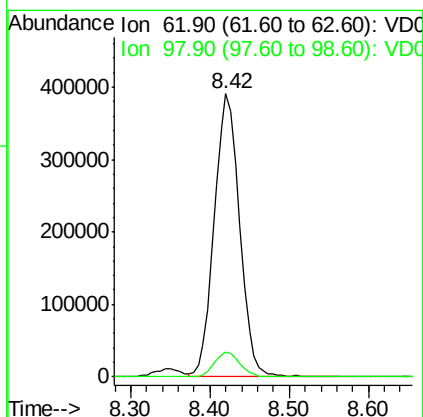
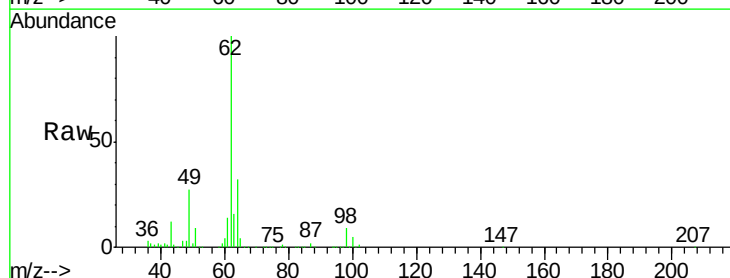
Acq: 15 Sep 2020 15:43

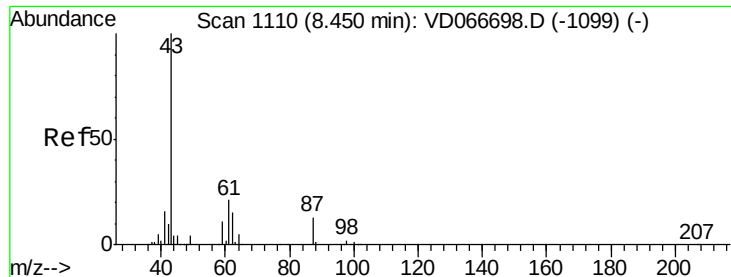
Tgt Ion: 62 Resp: 864167

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.6





#43

Isopropyl Acetate

Concen: 147.133 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

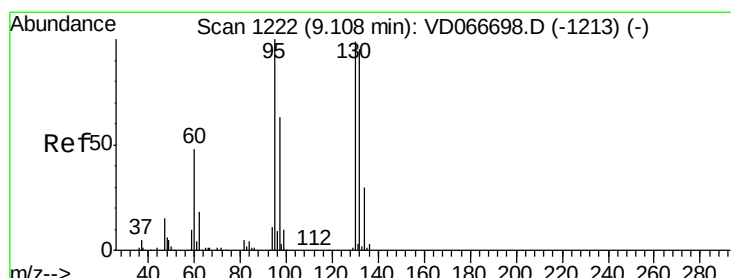
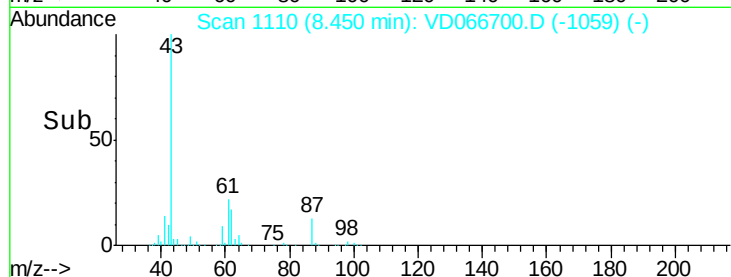
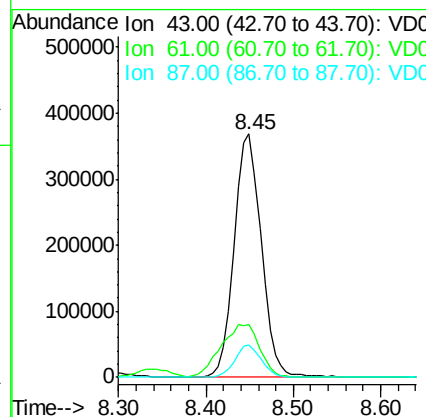
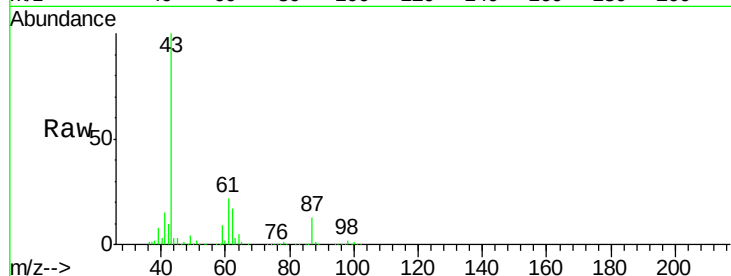
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	773731
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.8	37.2
87	13.0	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 143.529 ug/l

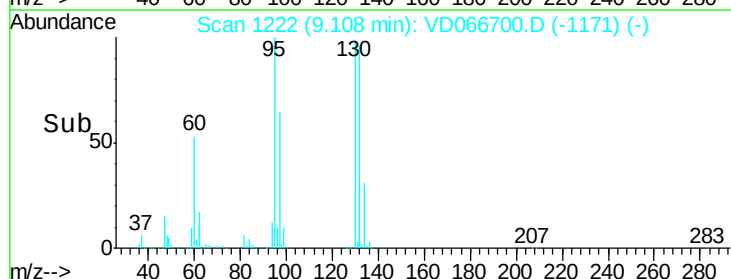
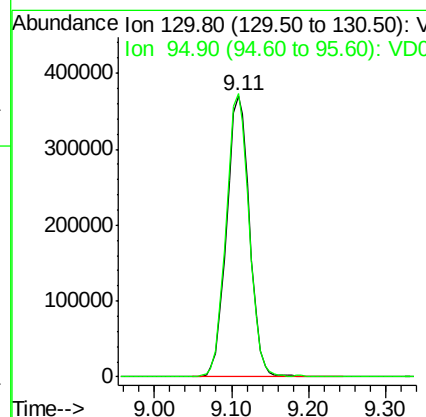
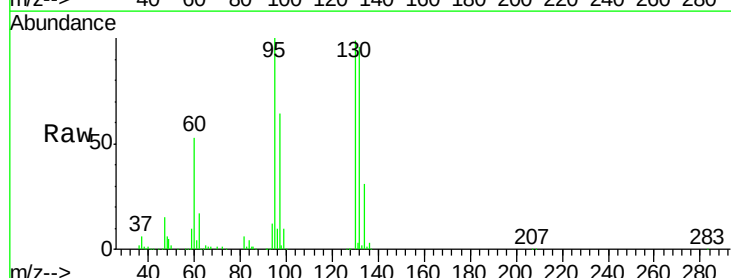
RT: 9.11 min Scan# 1222

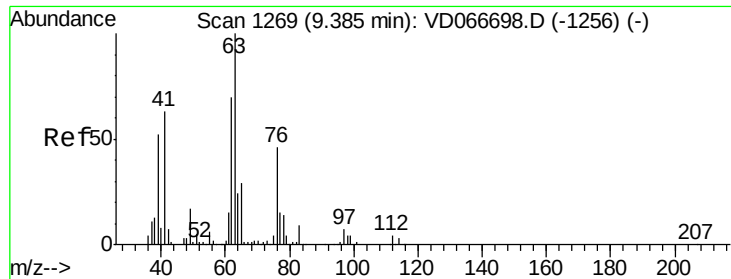
Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion:	130	Resp:	766207
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	201.4





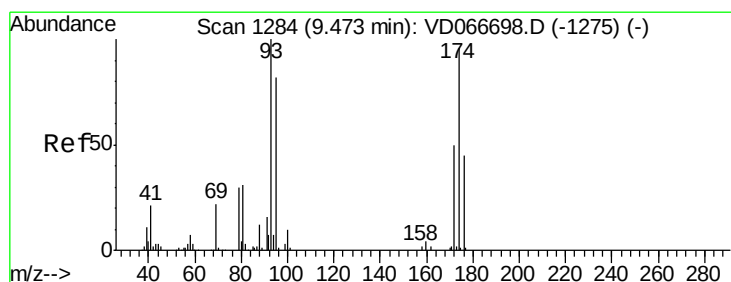
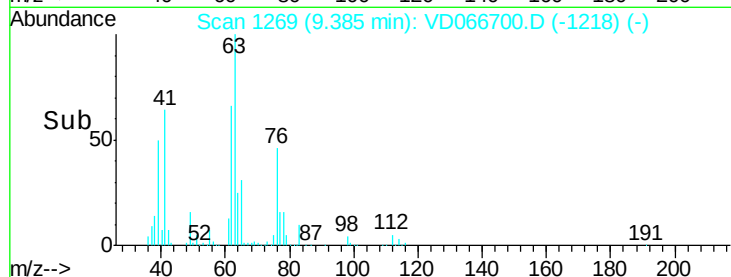
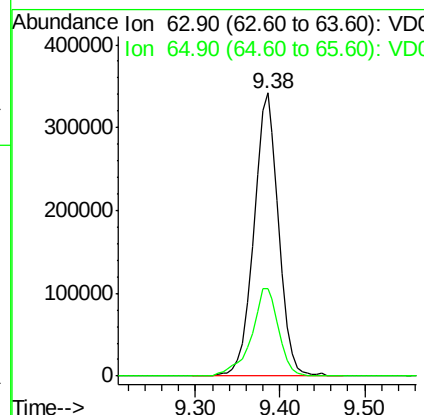
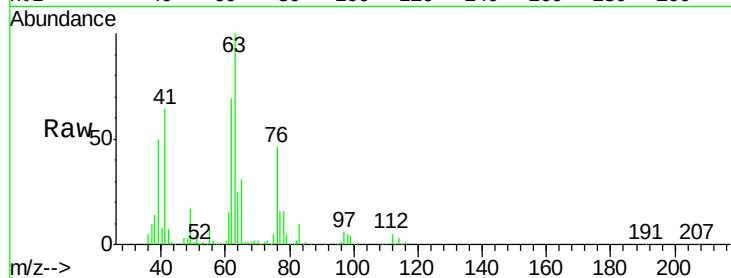
#45
 1,2-Dichloropropane
 Concen: 141.352 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.4	35.0

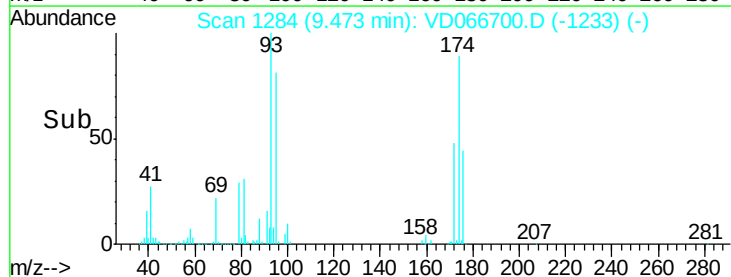
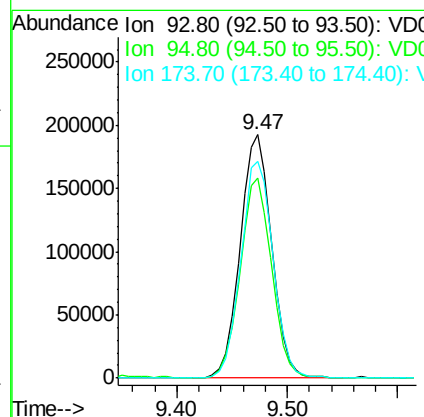
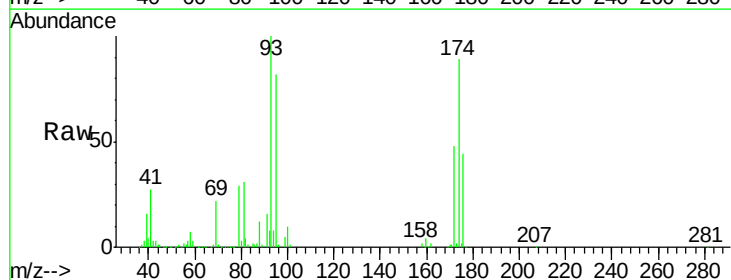
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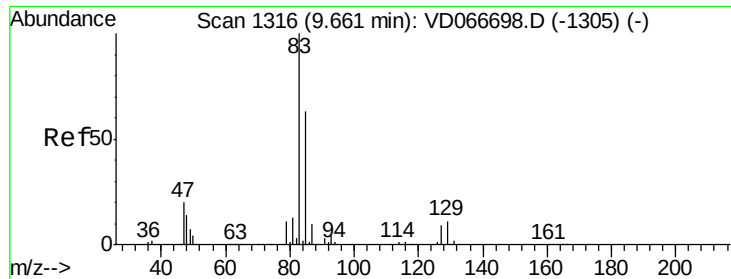
MMDadoda
 9/16/2020 11:44:23 AM



#46
 Dibromomethane
 Concen: 142.683 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.0	99.0
174	91.4	72.3	108.5





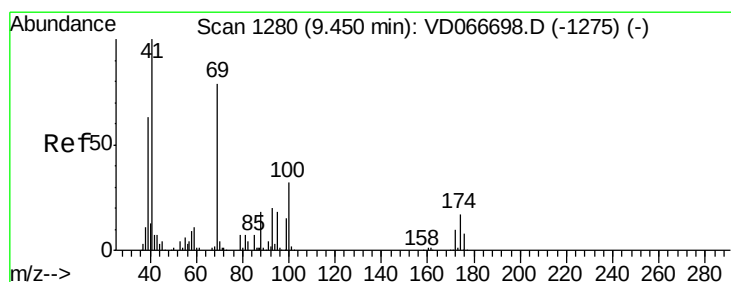
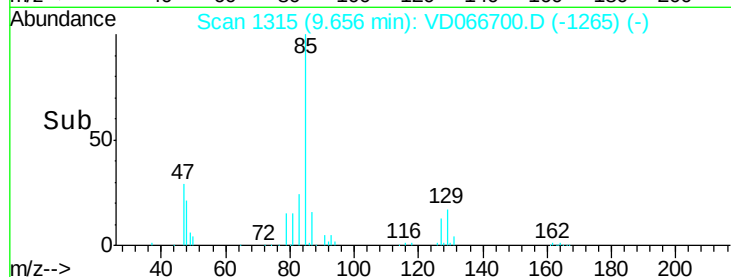
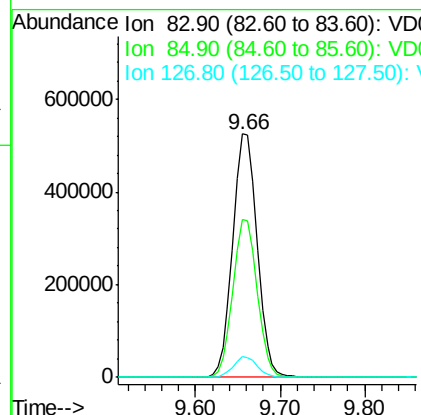
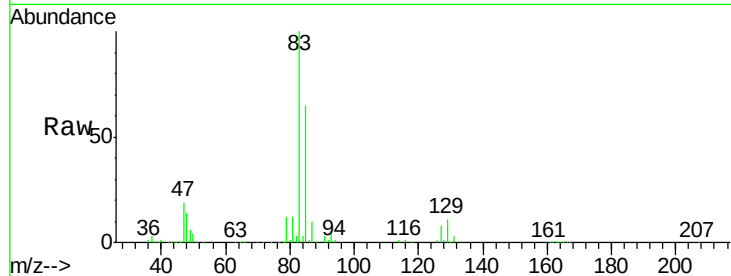
#47
Bromodichloromethane
Concen: 141.968 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	85	127
Resp	1049271		
Ratio	100	64.7	8.5
Lower		50.1	6.9
Upper		75.1	10.3

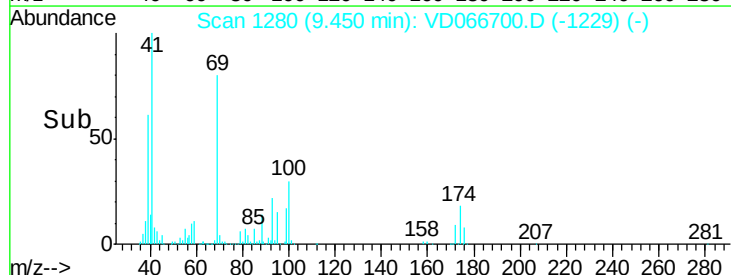
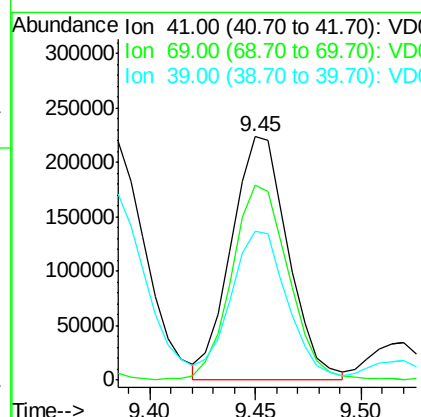
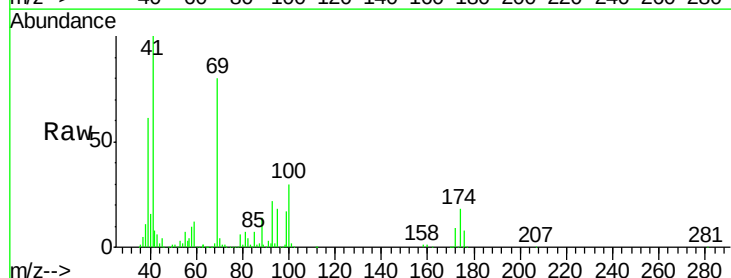
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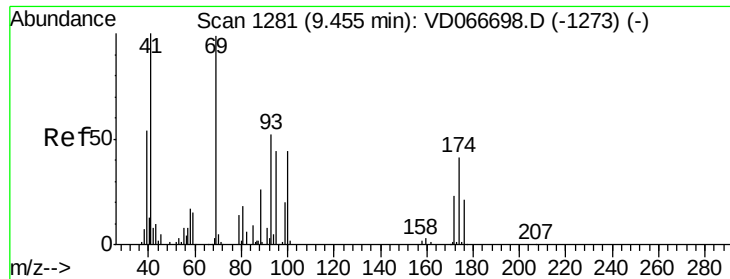
MMDadoda
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#48
Methyl methacrylate
Concen: 154.993 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	41	69	39
Resp	414584		
Ratio	100	81.1	57.5
Lower		62.4	44.8
Upper		93.6	67.2





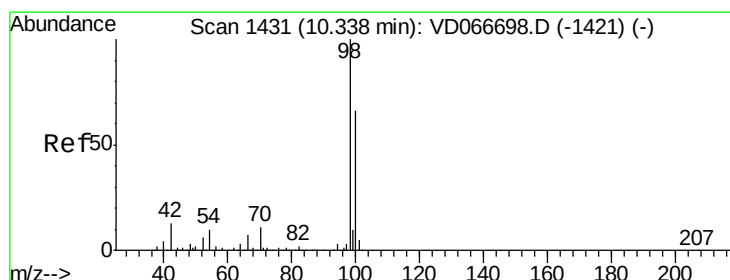
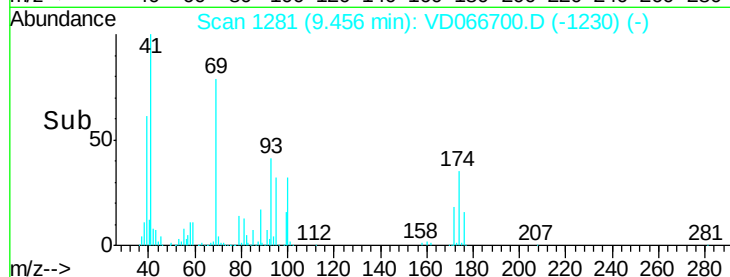
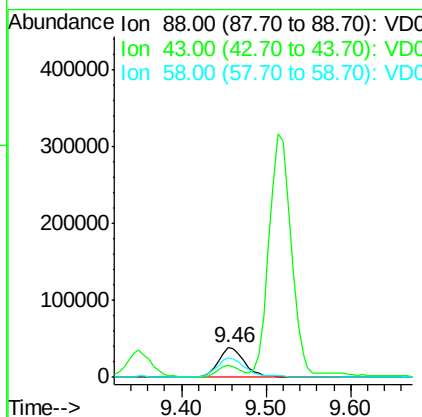
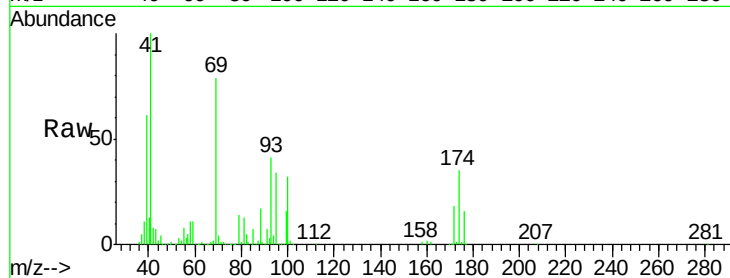
#49
1,4-Dioxane
Concen: 2874.104 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	83505
Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.3	43.9
58	68.7	51.4	77.2

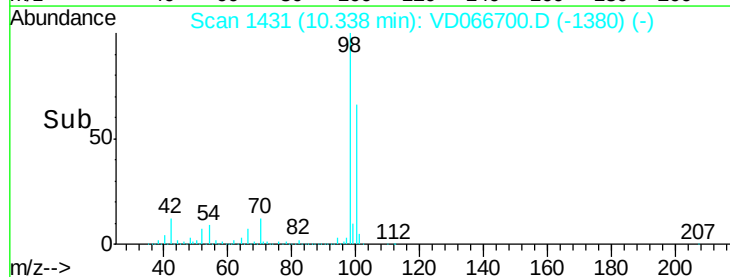
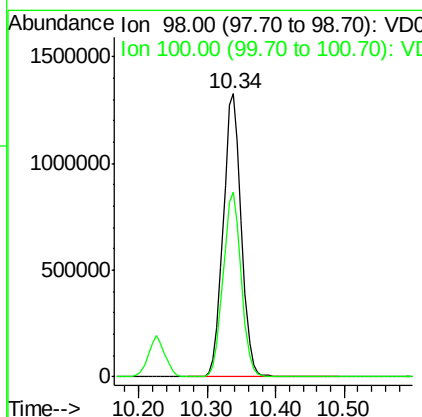
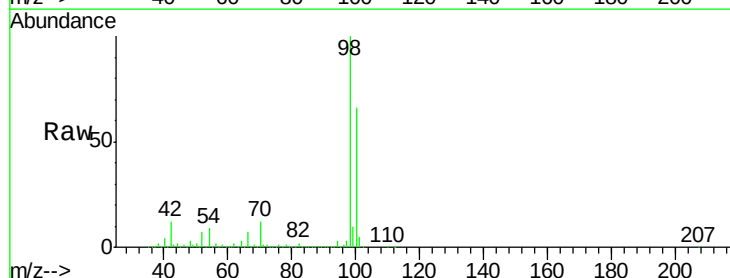
Manual Integrations
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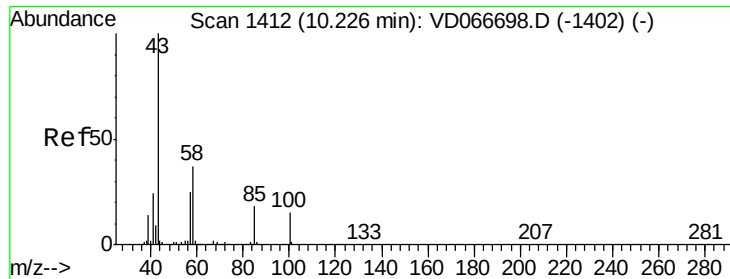
MMDadoda
9/16/2020 11:44:23 AM



#50
Toluene-d8
Concen: 154.644 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	98	Resp	2424658
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





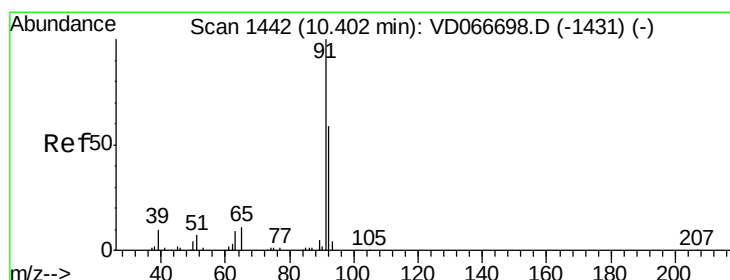
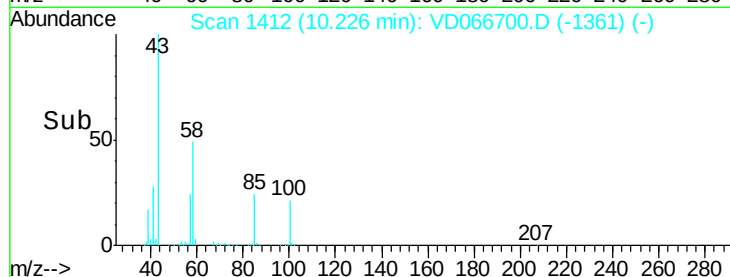
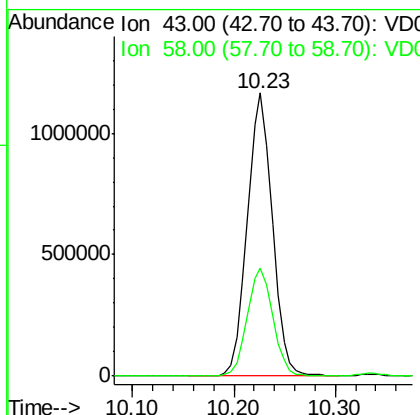
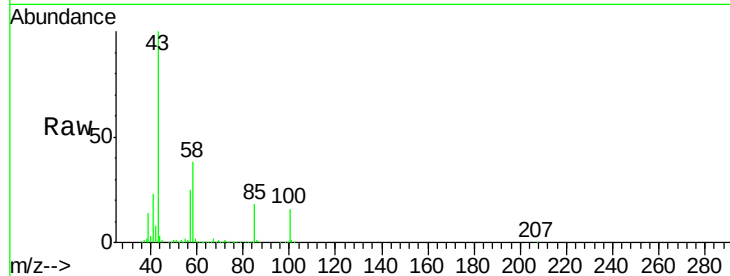
#51
 4-Methyl-2-Pentanone
 Concen: 741.892 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 2008570
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.4 45.6

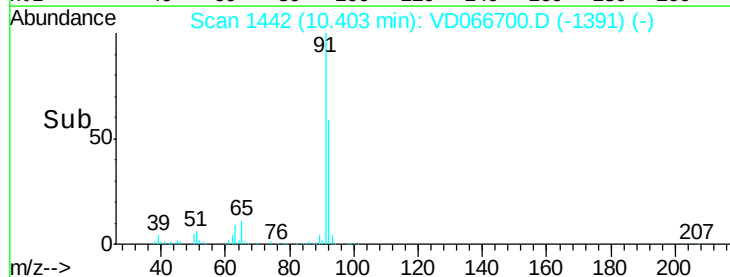
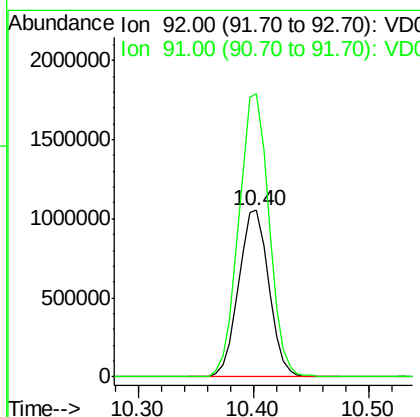
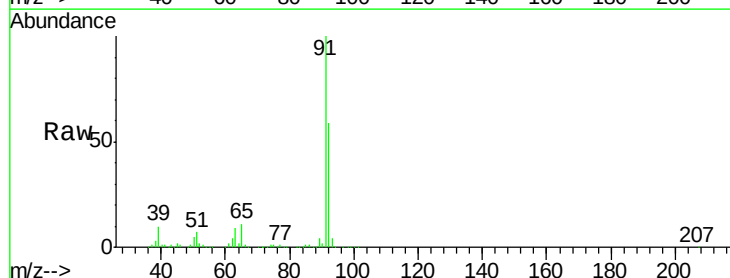
Manual Integrations
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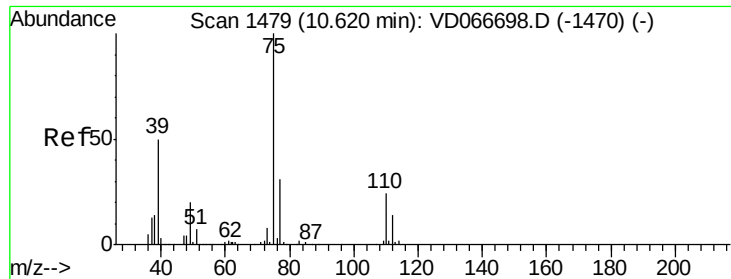
MMDadoda
 9/16/2020 11:44:23 AM



#52
 Toluene
 Concen: 150.625 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion: 92 Resp: 1926568
 Ion Ratio Lower Upper
 92 100
 91 170.1 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 151.232 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 998507

Ion Ratio Lower Upper

75 100

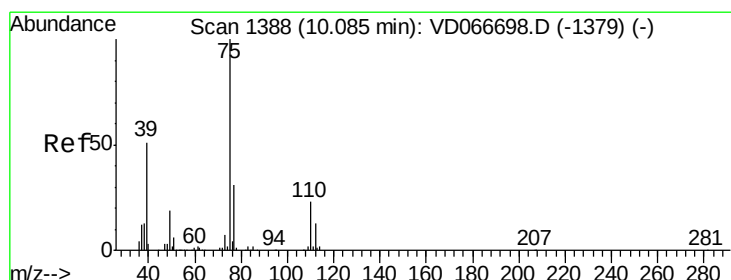
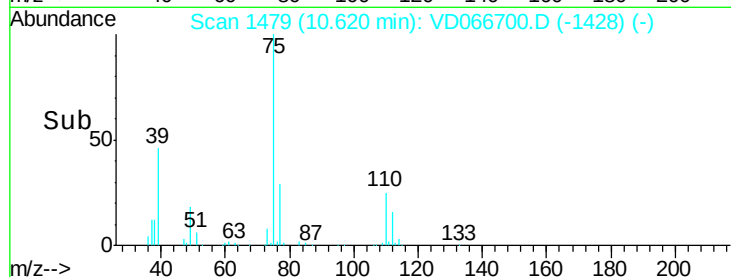
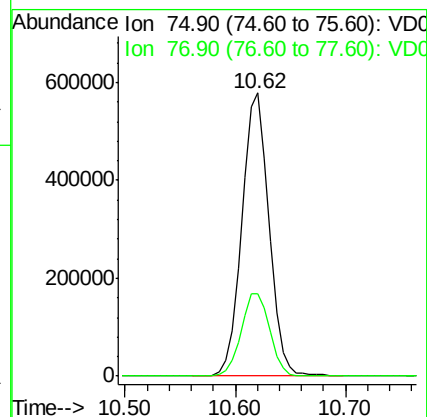
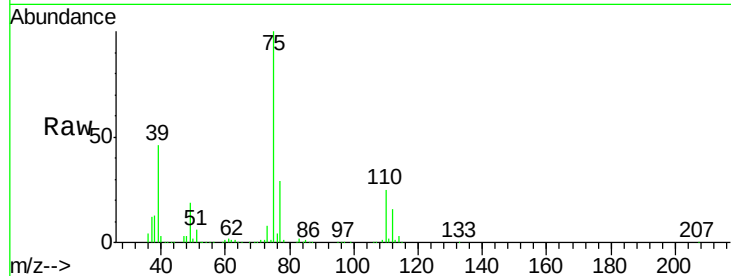
77 29.2 24.6 36.8

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 149.331 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

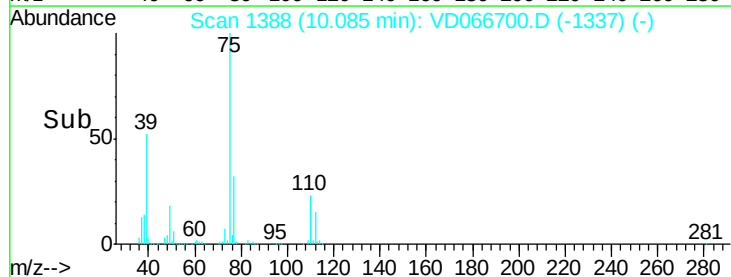
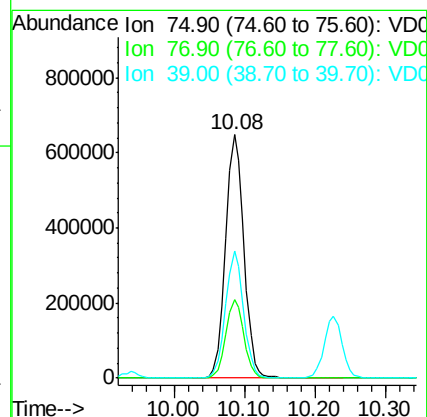
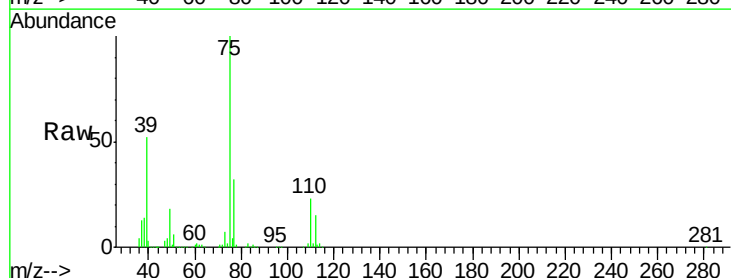
Tgt Ion: 75 Resp: 1171068

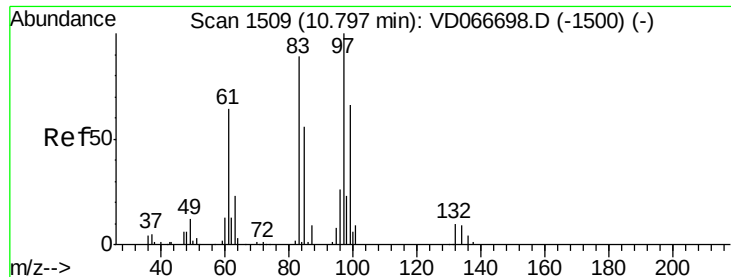
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

39 52.0 40.6 61.0





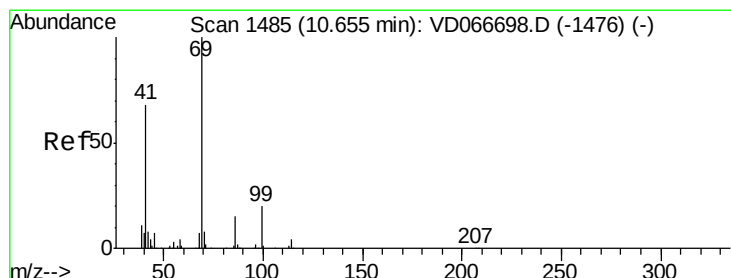
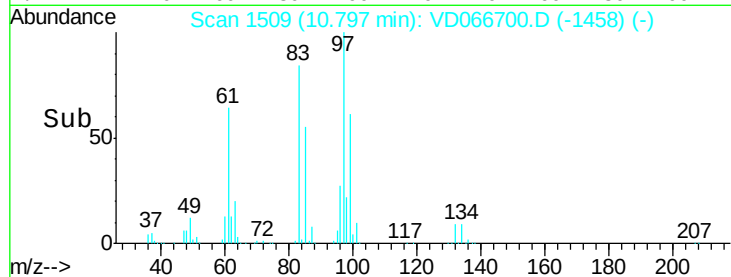
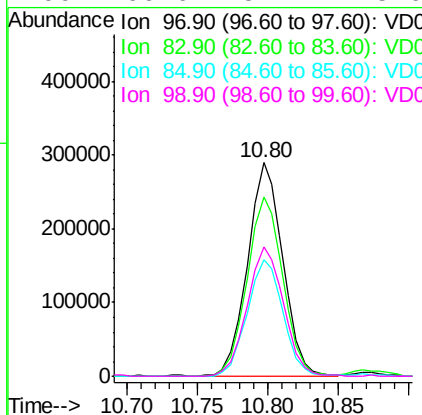
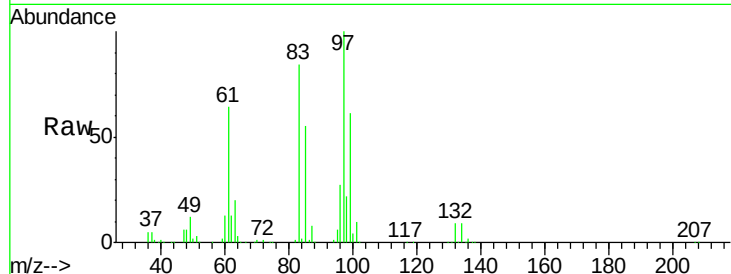
#55
 1,1,2-Trichloroethane
 Concen: 141.740 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	506877
Ion	Ratio	Lower	Upper
97	100		
83	84.2	71.4	107.2
85	54.6	44.7	67.1
99	60.6	52.4	78.6

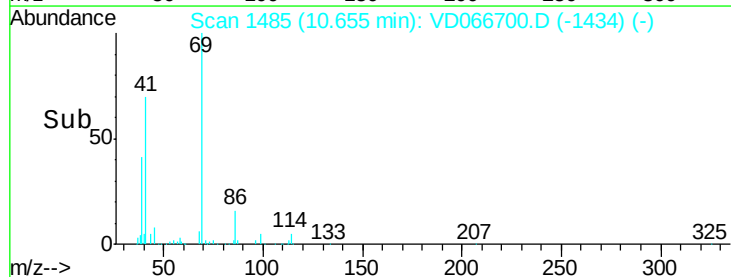
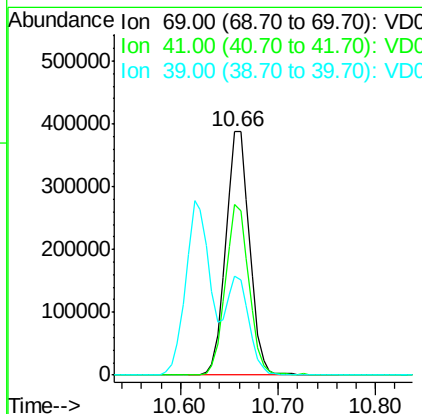
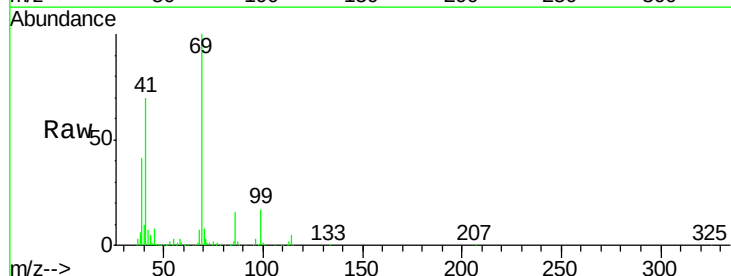
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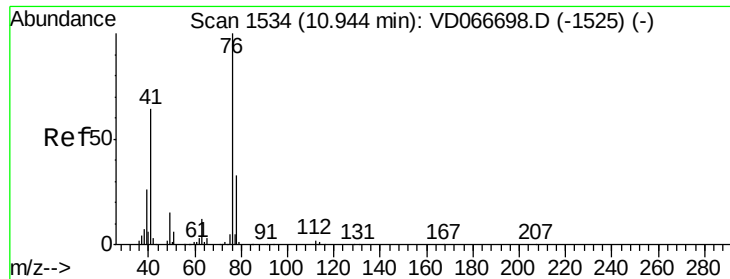
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 161.323 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion:	69	Resp:	654677
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.5	83.3
39	39.7	29.7	44.5





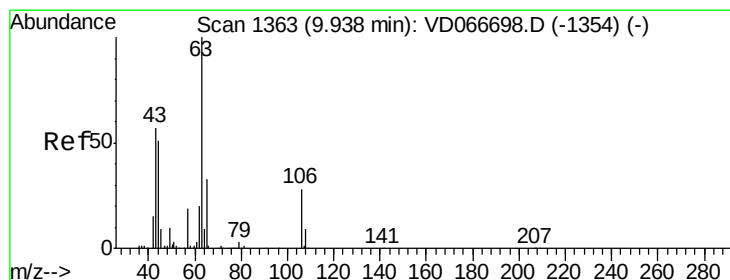
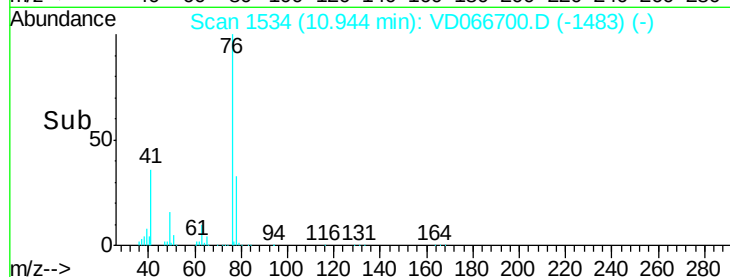
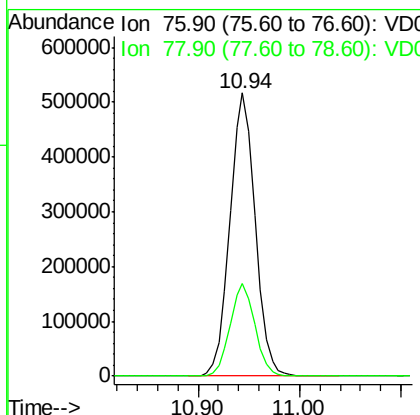
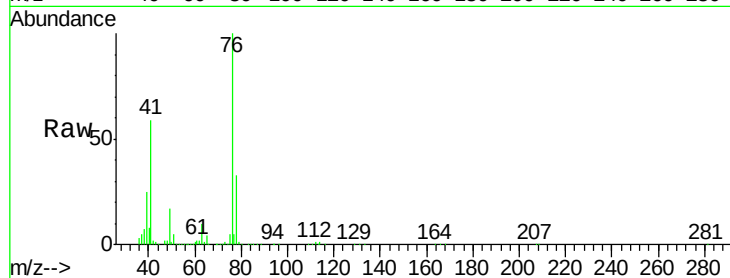
#57
 1,3-Dichloropropane
 Concen: 142.259 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

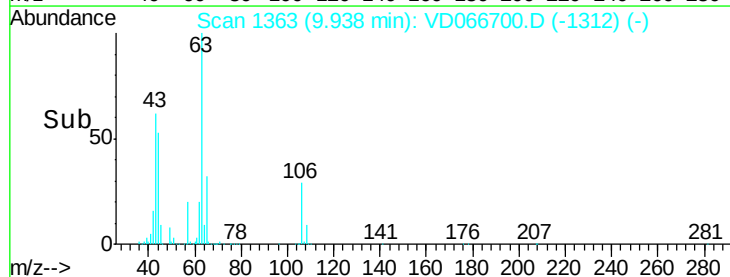
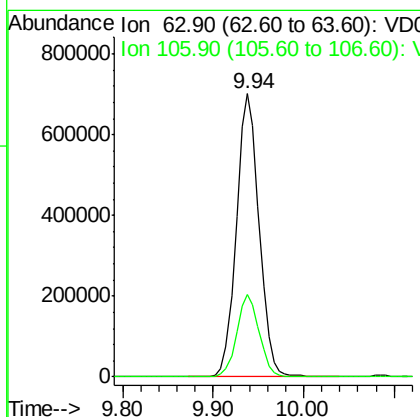
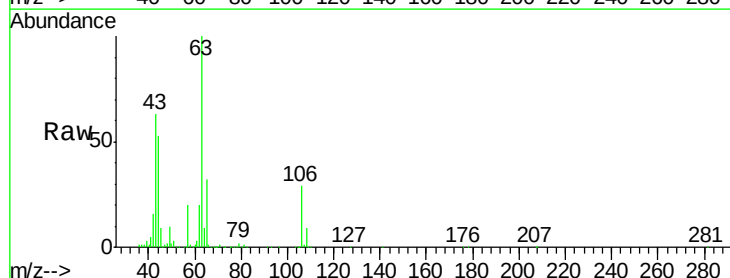
Manual Integrations
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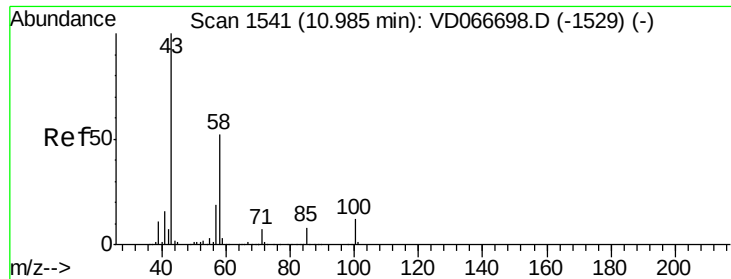
MMDadoda
 9/16/2020 11:44:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 686.512 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.2	33.4





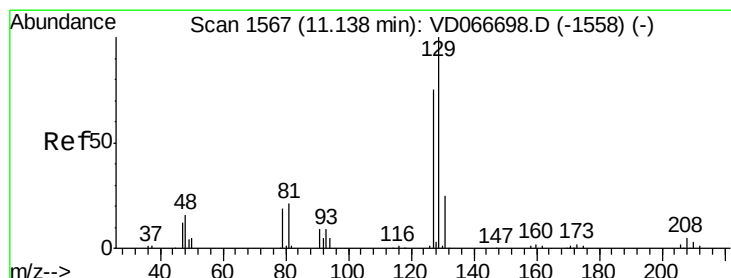
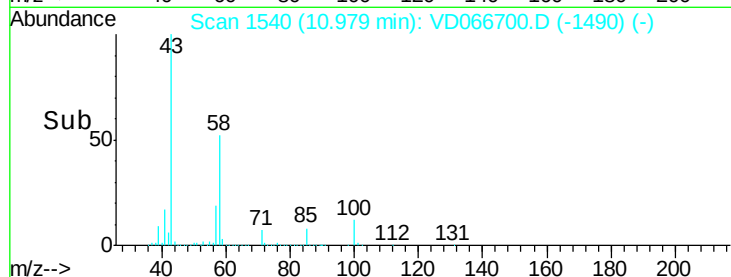
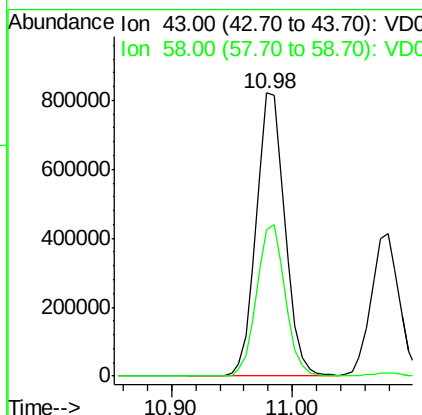
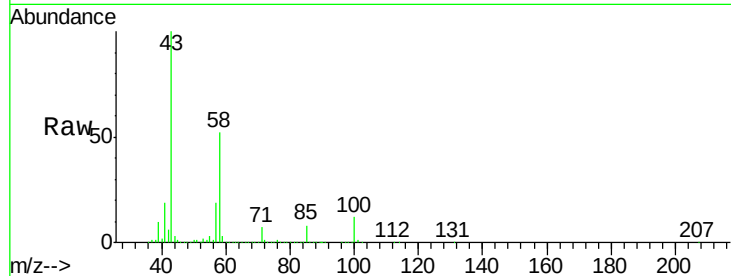
#59
2-Hexanone
Concen: 753.263 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1370275
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5

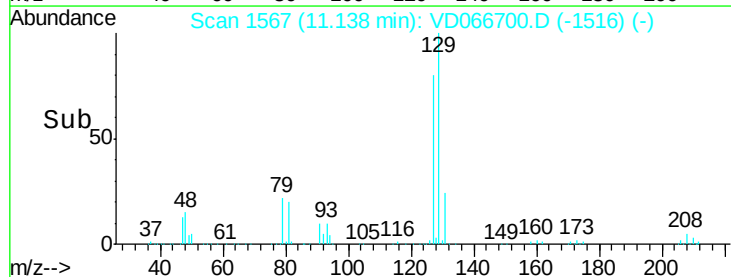
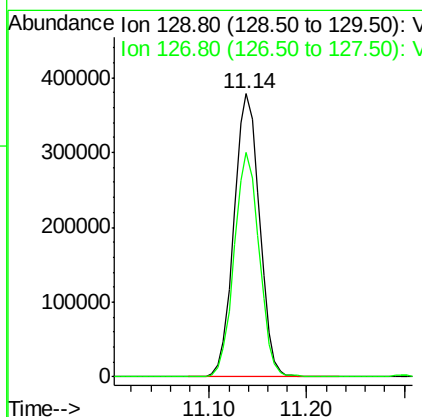
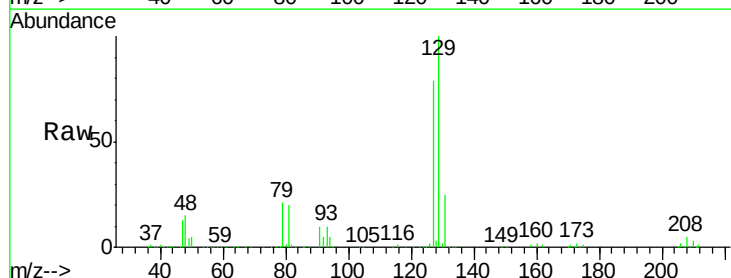
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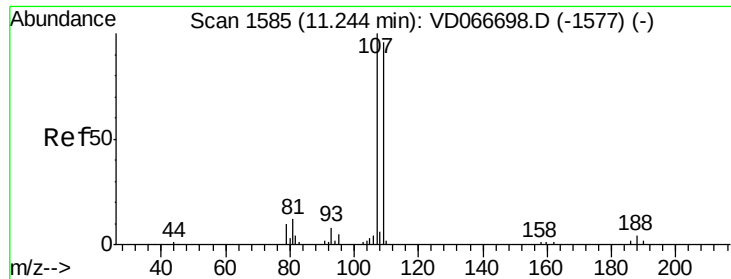
MMDadoda
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#60
Dibromochloromethane
Concen: 147.679 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion: 129 Resp: 688133
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





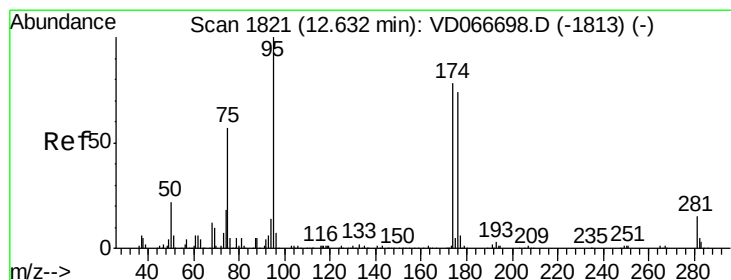
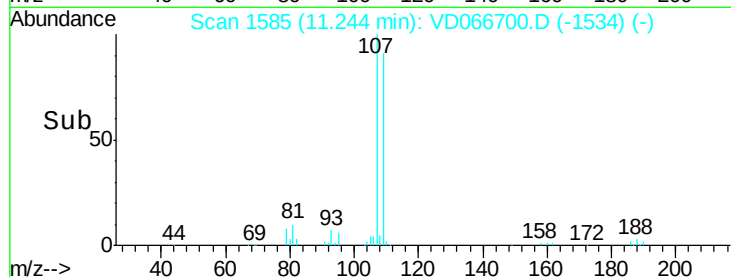
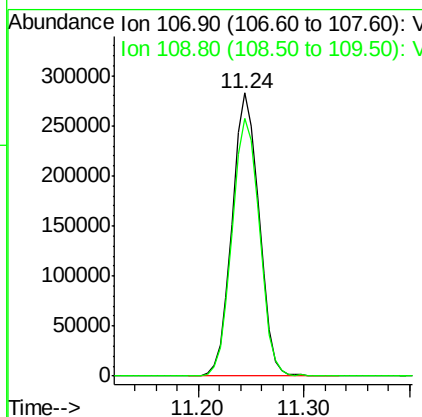
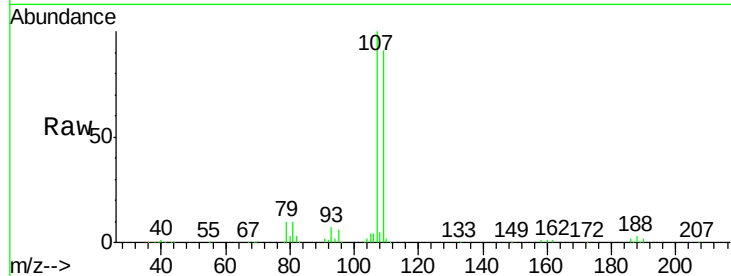
#61
 1,2-Dibromoethane
 Concen: 144.584 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	495982		
109	93.1	75.6	113.4	

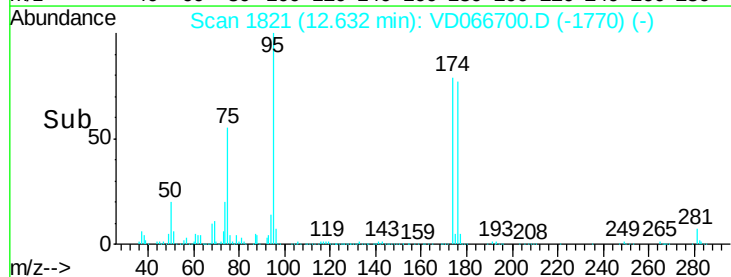
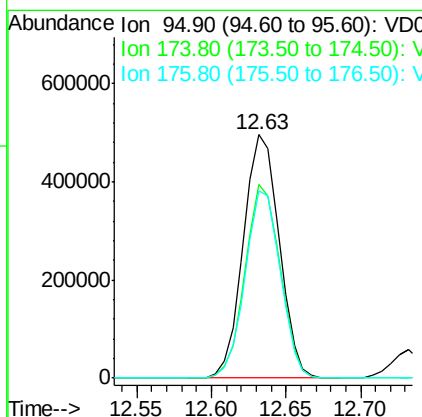
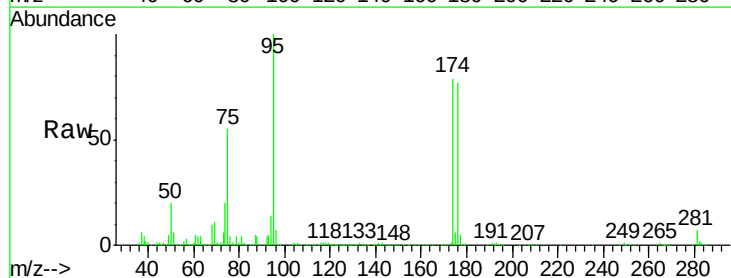
Manual Integrations
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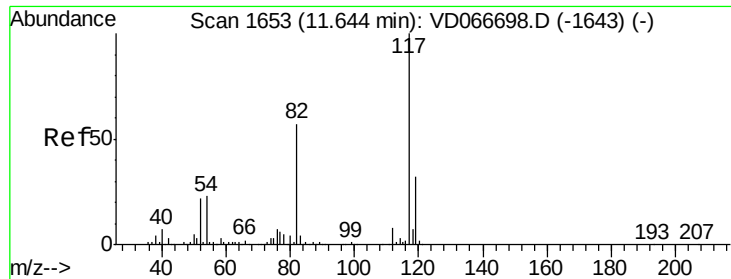
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 152.593 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	825866		
174	77.8	0.0	156.6	
176	75.6	0.0	150.2	





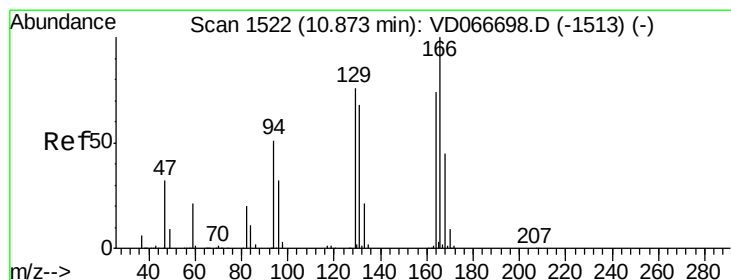
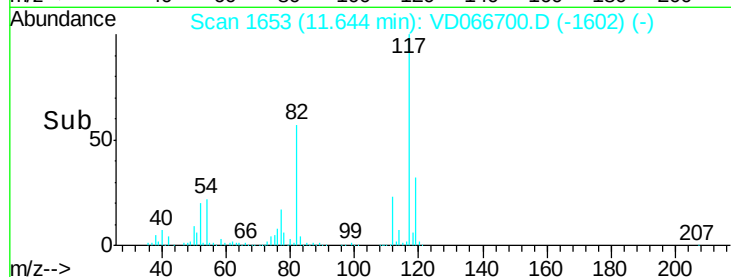
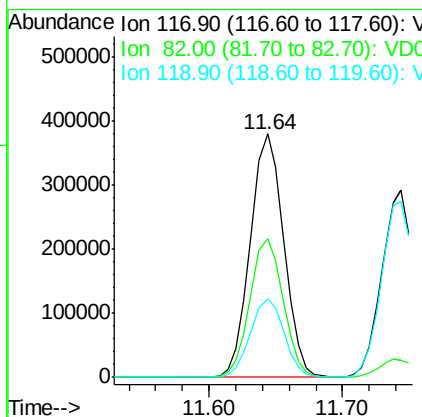
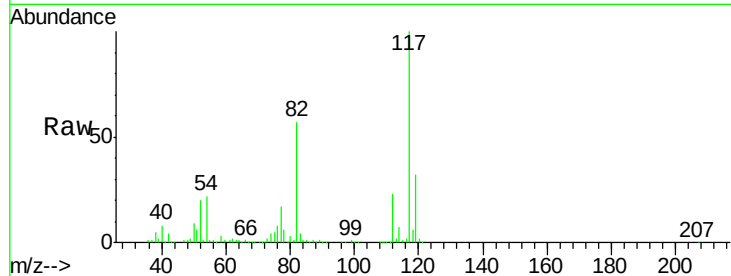
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	658475		
82	56.9		45.4	68.0
119	32.2		25.8	38.6

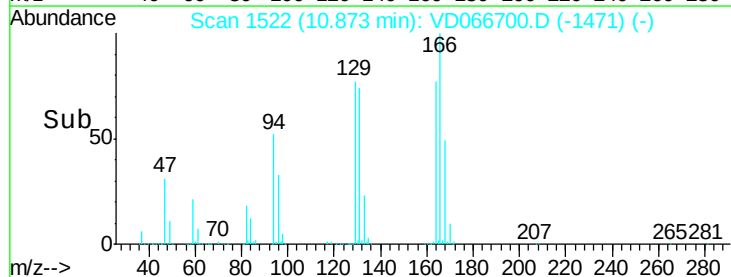
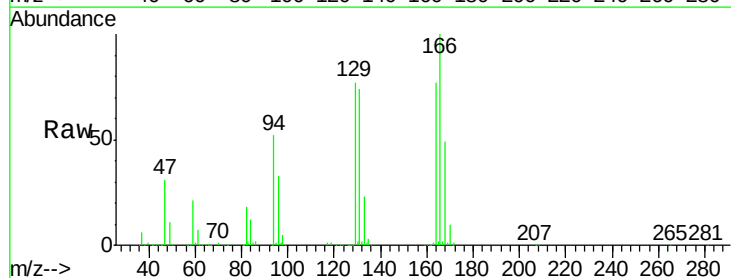
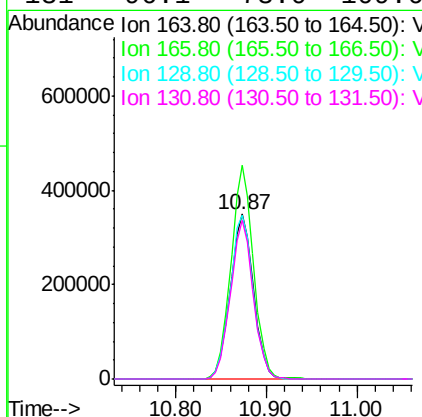
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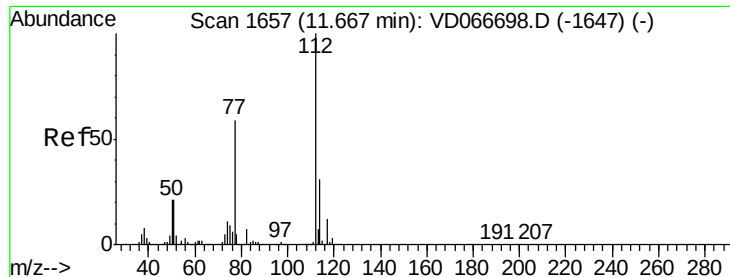
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#64
Tetrachloroethene
Concen: 138.275 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	621544		
166	129.7		107.5	161.3
129	99.4		81.4	122.0
131	96.1		73.0	109.6





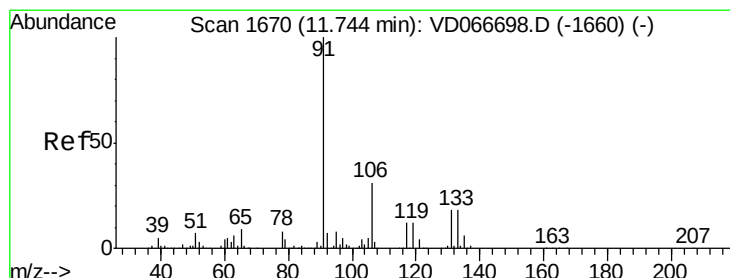
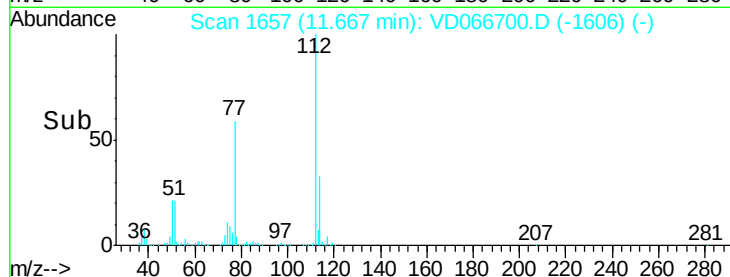
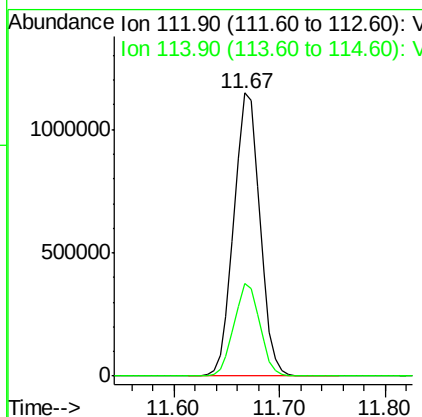
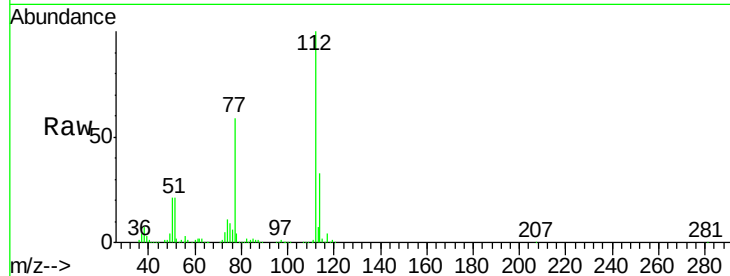
#65
Chlorobenzene
Concen: 143.299 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1953626
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6

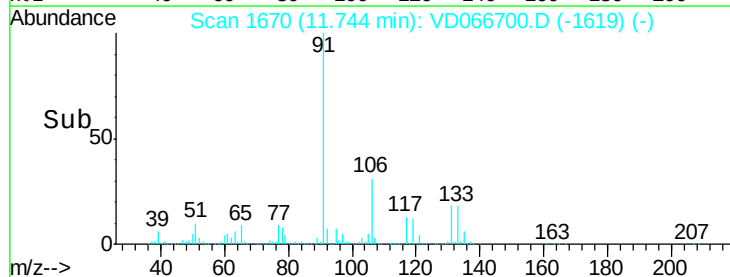
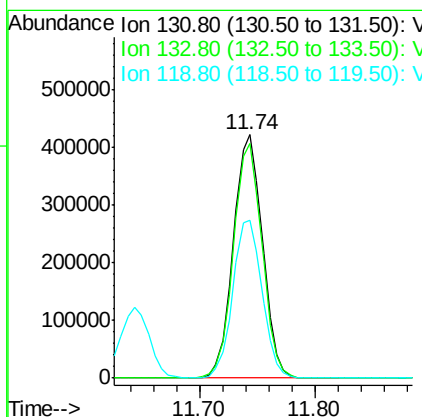
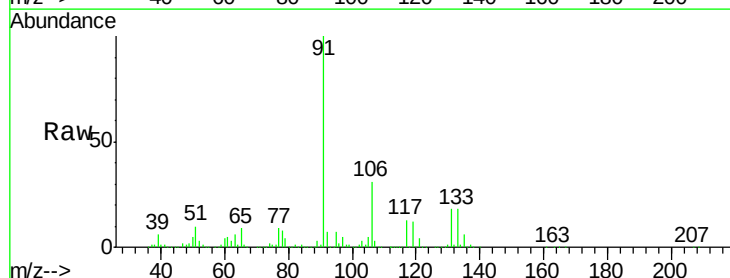
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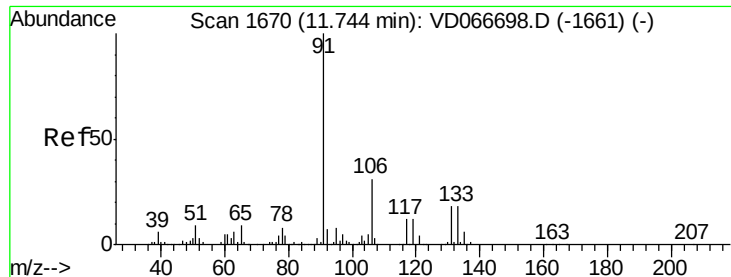
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#66
1,1,1,2-Tetrachloroethane
Concen: 146.561 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion:131 Resp: 737224
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.3 33.6 100.8





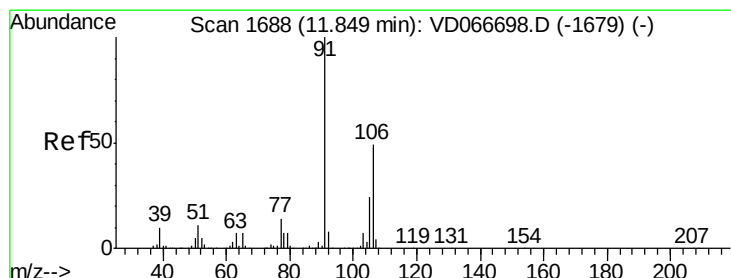
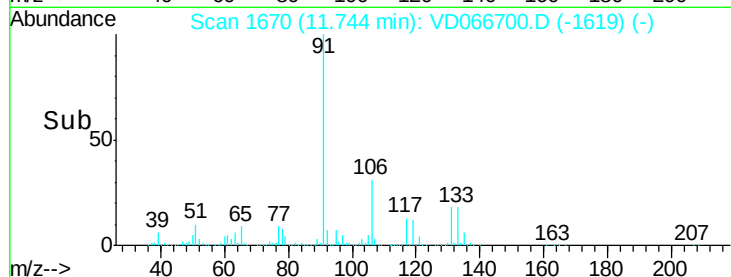
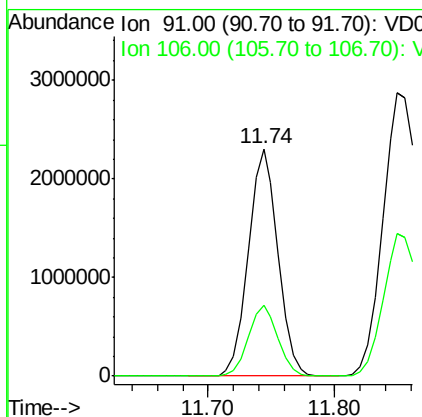
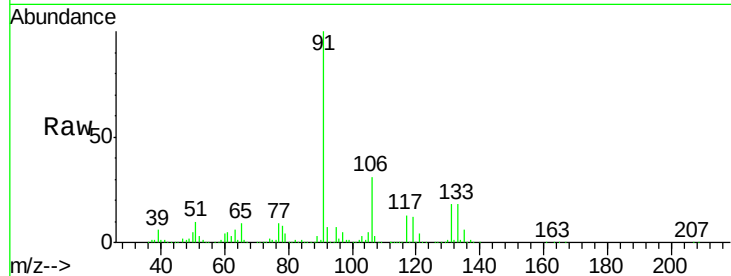
#67
Ethyl Benzene
Concen: 151.503 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3741226
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

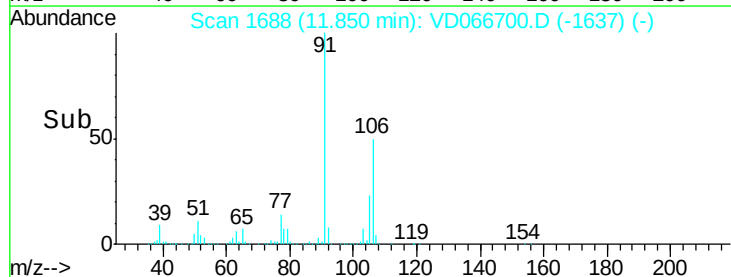
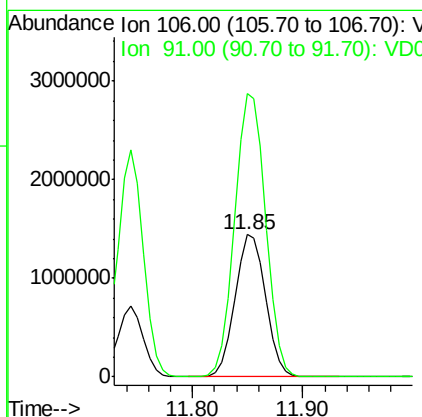
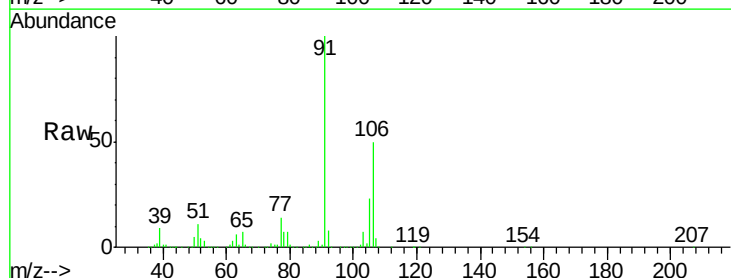
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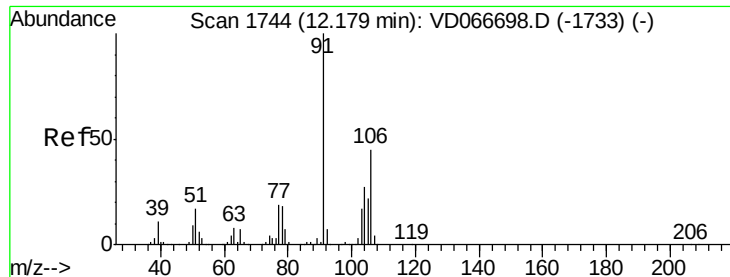
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#68
m/p-Xylenes
Concen: 299.596 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion: 106 Resp: 2796163
Ion Ratio Lower Upper
106 100
91 201.9 164.8 247.2





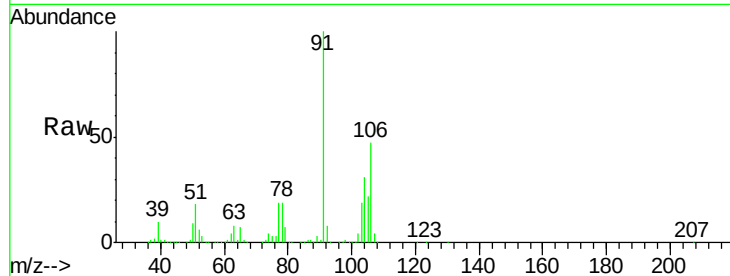
#69
o-Xylene
Concen: 157.536 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

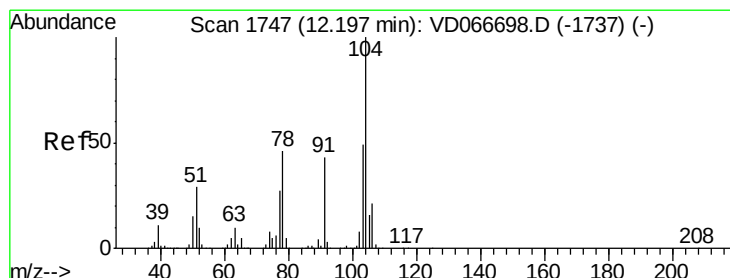
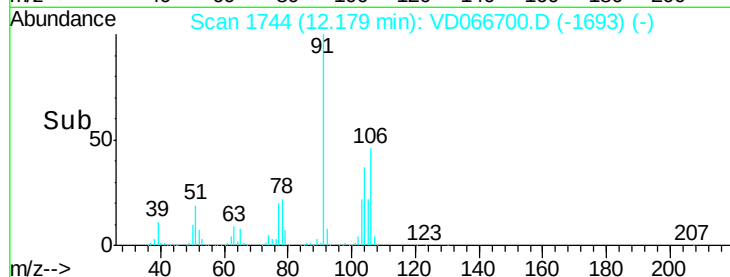
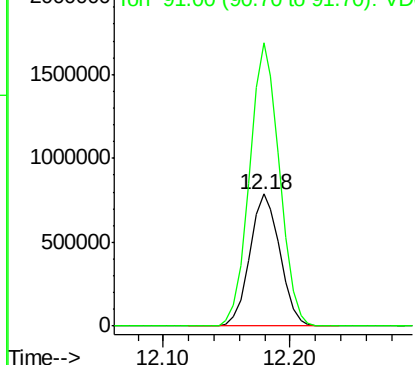
Tot Ion:106 Resp: 1299298
Ion Ratio Lower Upper
106 100
91 212.7 109.4 328.2

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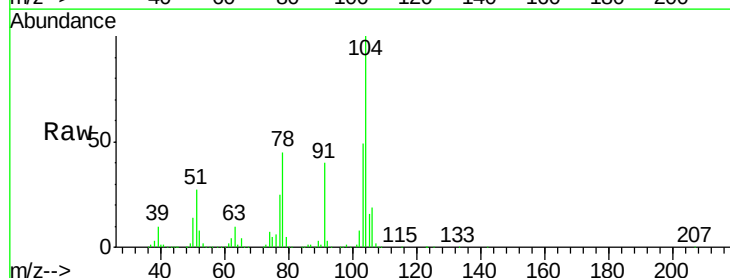


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

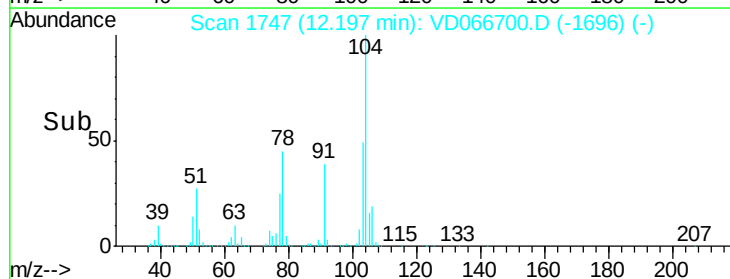
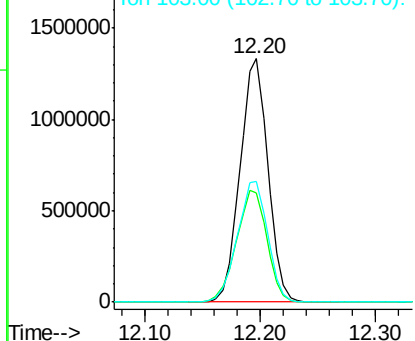


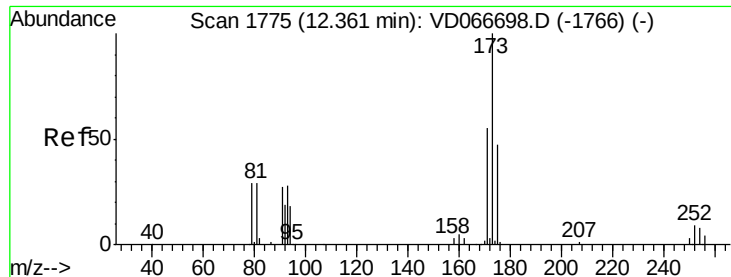
#70
Styrene
Concen: 154.045 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion:104 Resp: 2236156
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.4
103 53.8 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 145.503 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 367310

Ion Ratio Lower Upper

173 100

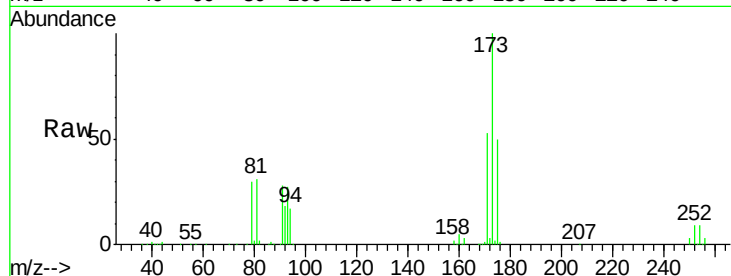
175 47.7 24.3 72.8

254 0.2 0.1 0.1#

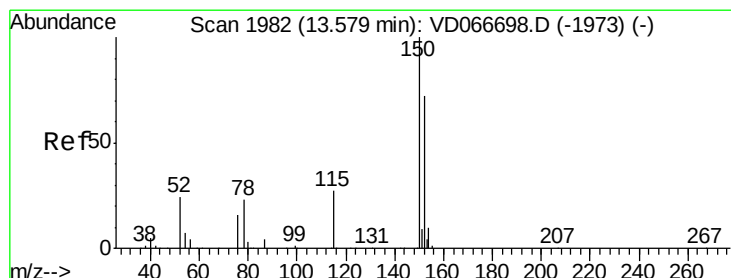
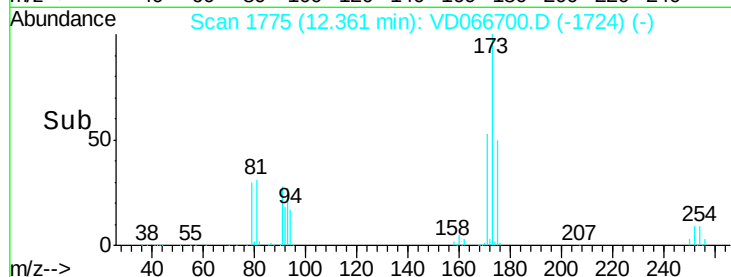
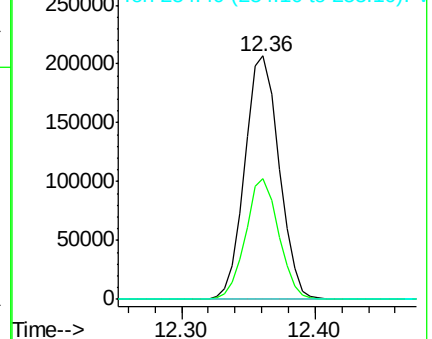
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

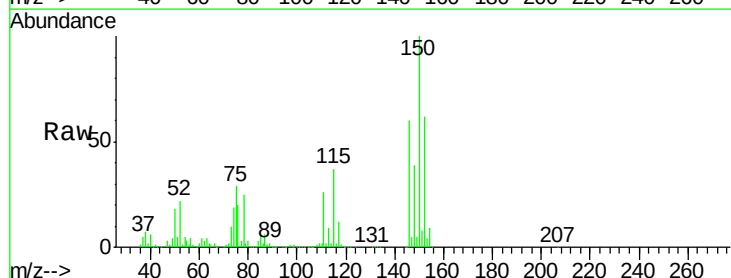
Tgt Ion:152 Resp: 310828

Ion Ratio Lower Upper

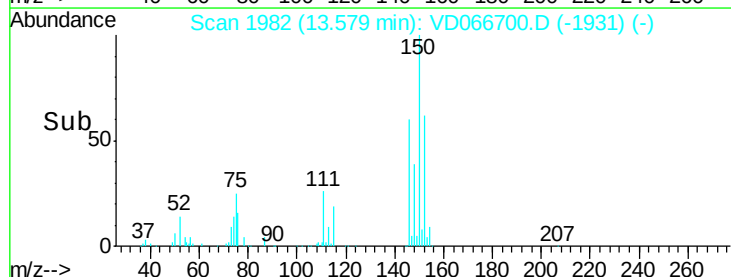
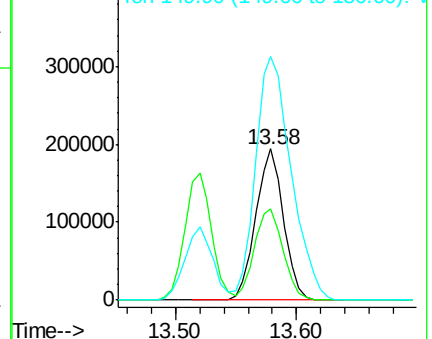
152 100

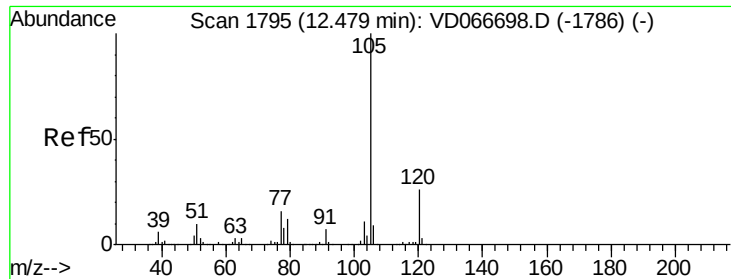
115 62.6 30.5 91.5

150 206.6 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 153.809 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3568996

Ion Ratio Lower Upper

105 100

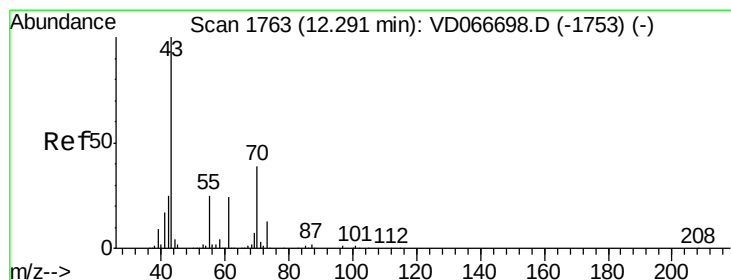
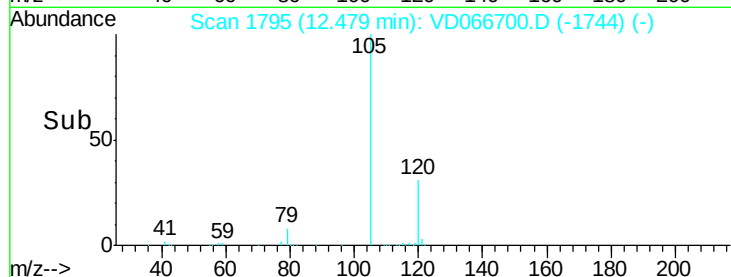
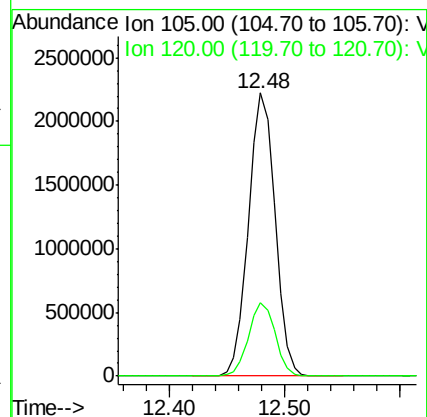
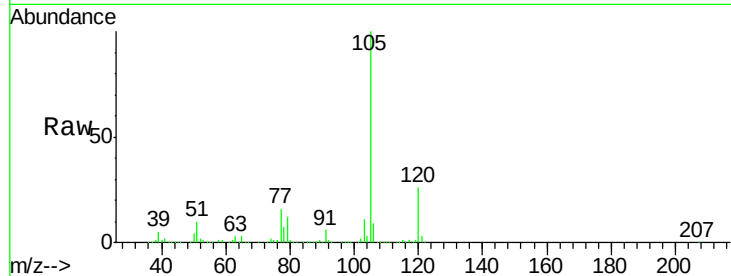
120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 154.443 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion: 43 Resp: 755963

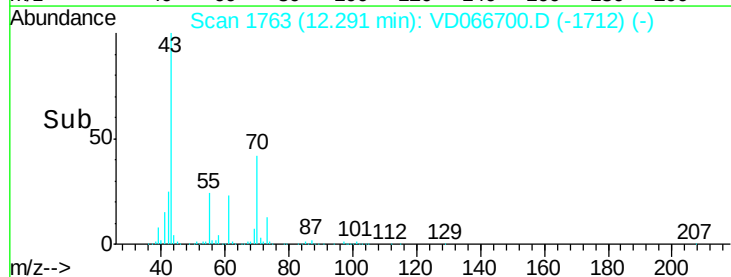
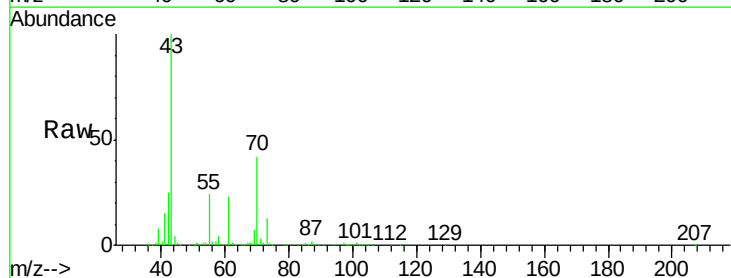
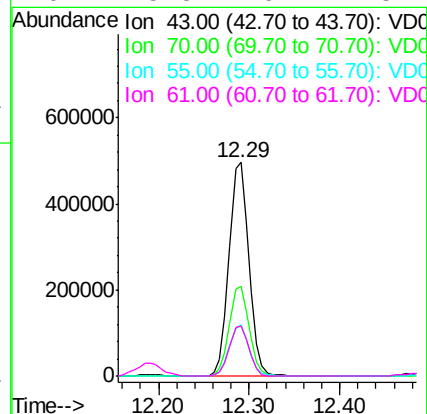
Ion Ratio Lower Upper

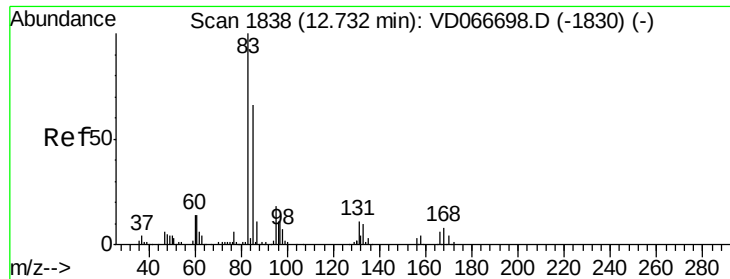
43 100

70 41.7 33.0 49.4

55 23.9 20.6 30.8

61 23.3 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 137.583 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

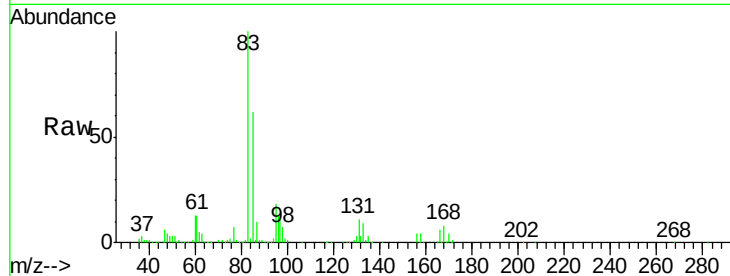
ClientSampleId :

VSTDIC150

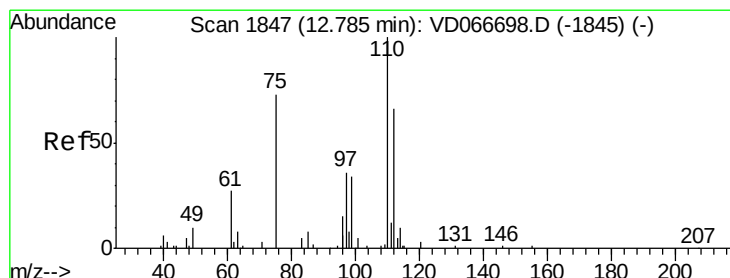
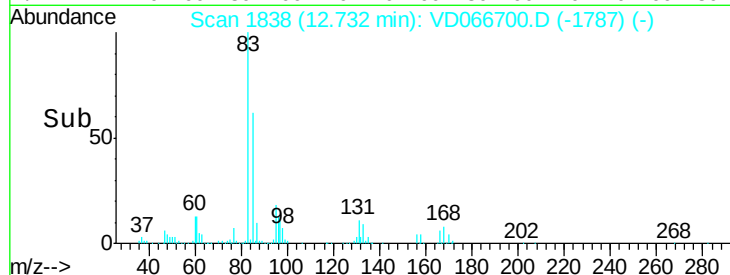
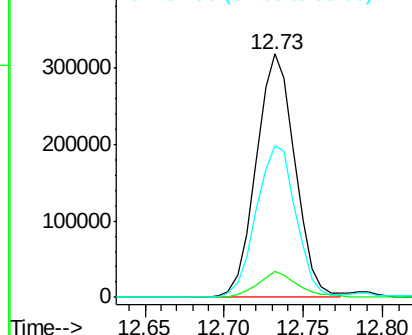
Tot Ion:	83	Resp:	542480
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.8	17.3
85	64.0	33.3	99.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 166.621 ug/l m

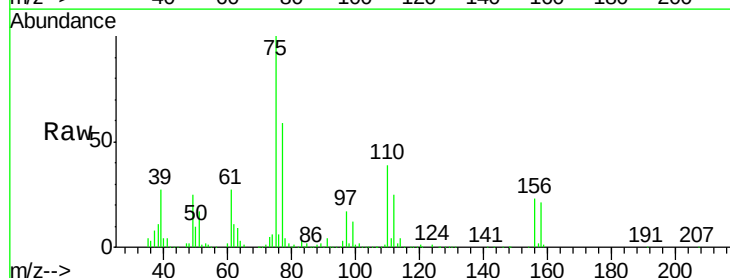
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

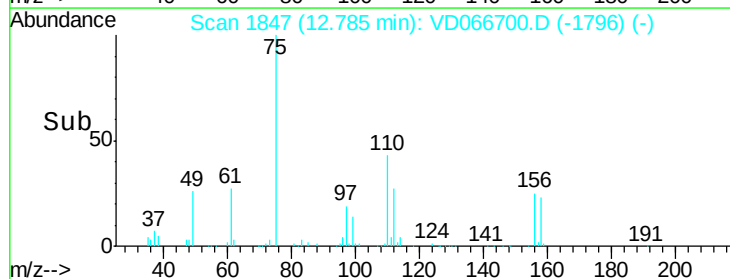
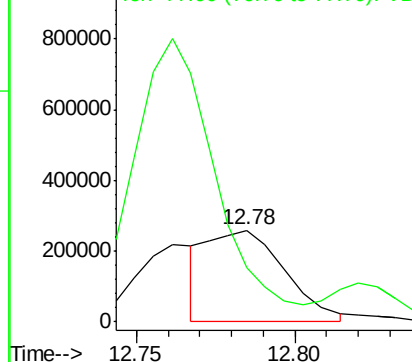
Lab File: VD066700.D

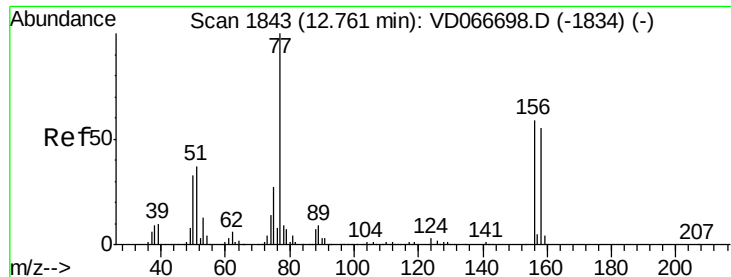
Acq: 15 Sep 2020 15:43

Tgt Ion:	75	Resp:	438324
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 144.844 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 774649

Ion Ratio Lower Upper

156 100

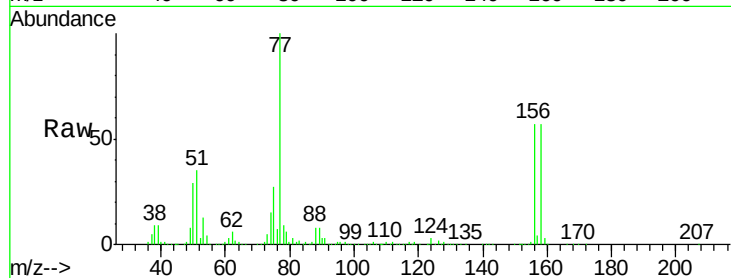
77 188.6 95.8 287.3

158 98.0 48.4 145.0

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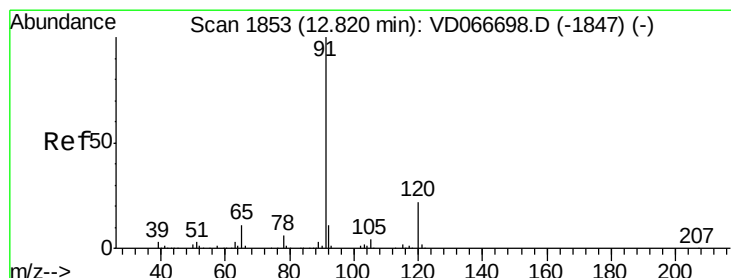
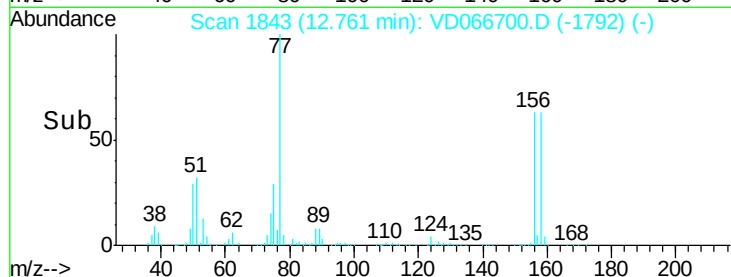
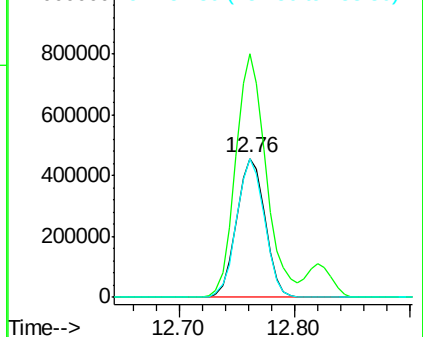
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.003 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066700.D

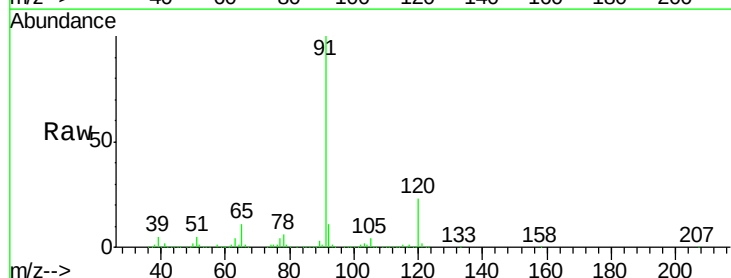
Acq: 15 Sep 2020 15:43

Tgt Ion: 91 Resp: 4186429

Ion Ratio Lower Upper

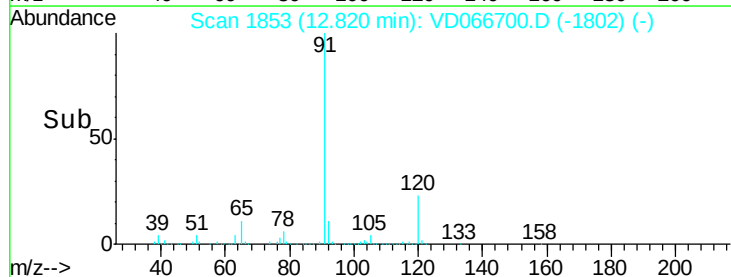
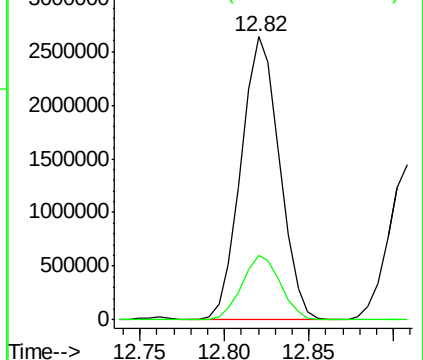
91 100

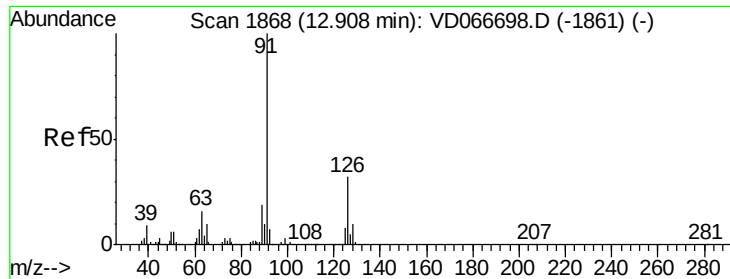
120 22.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





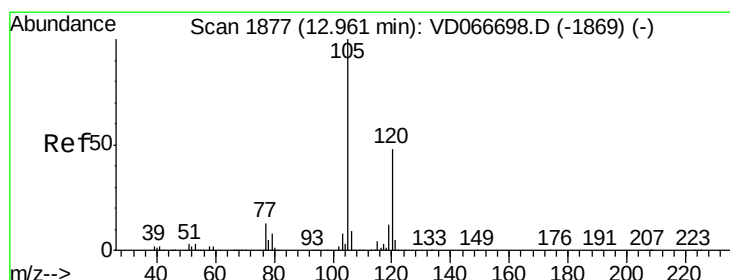
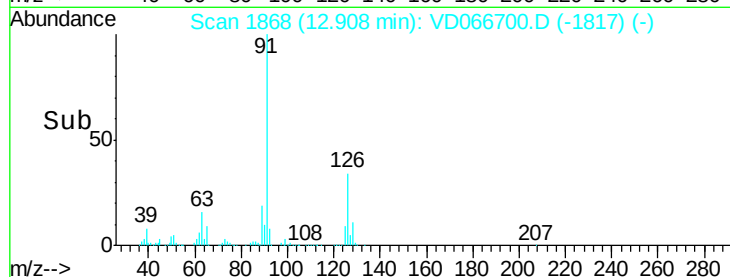
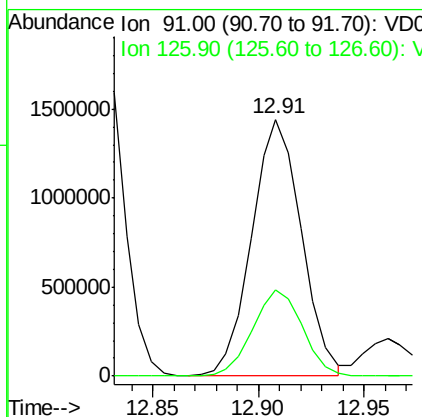
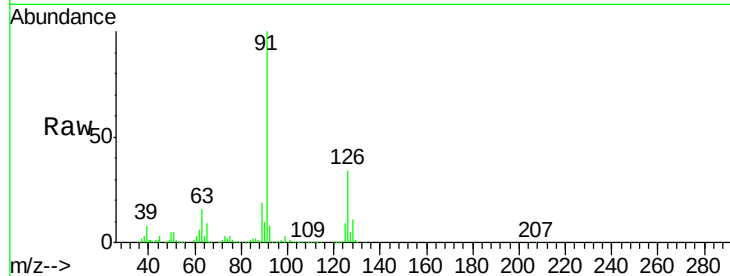
#79
 2-Chlorotoluene
 Concen: 146.923 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 2349936
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.2 48.6

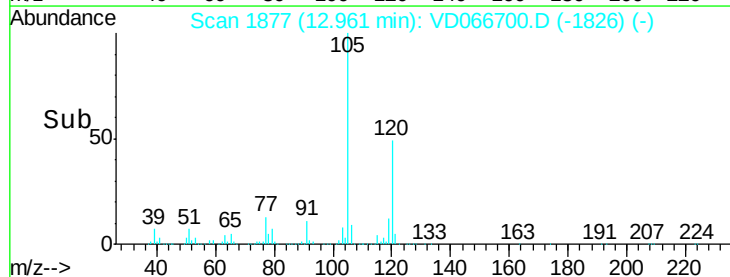
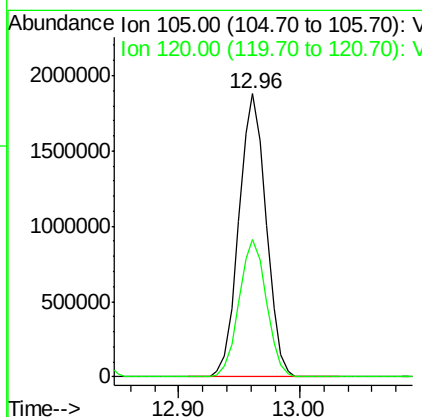
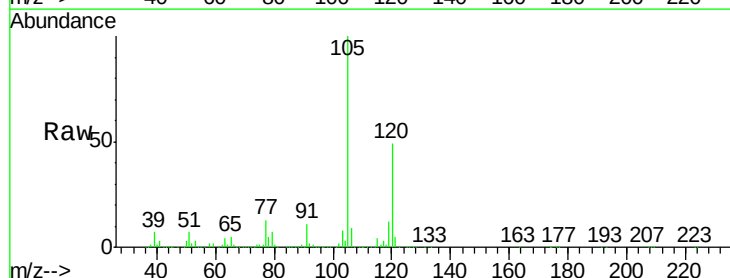
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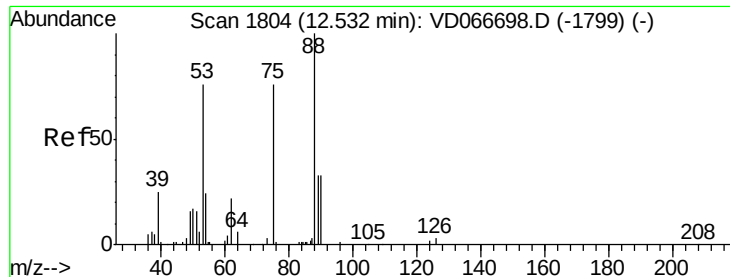
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#80
 1,3,5-Trimethylbenzene
 Concen: 150.694 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion:105 Resp: 2956554
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 150.803 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

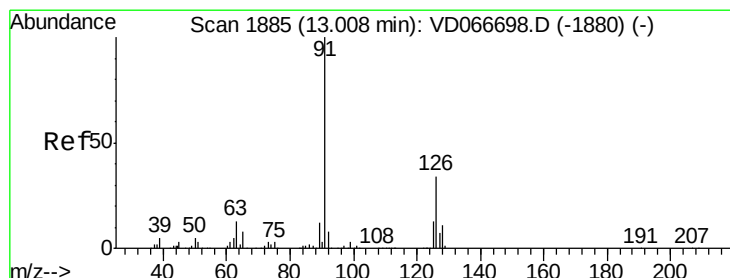
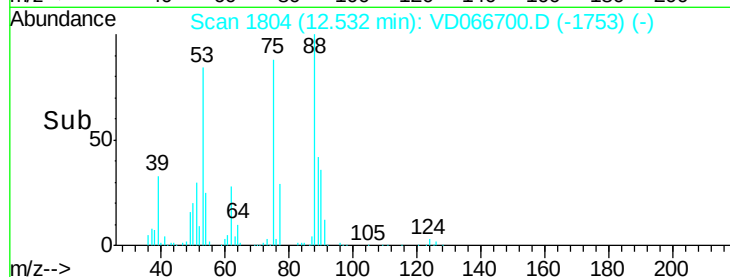
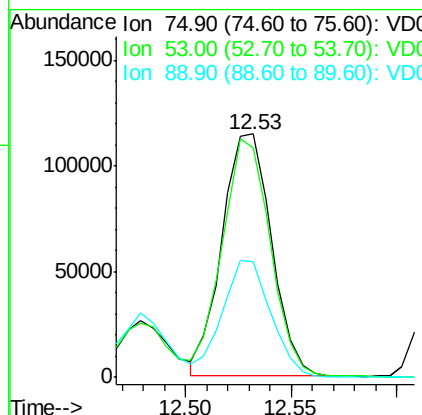
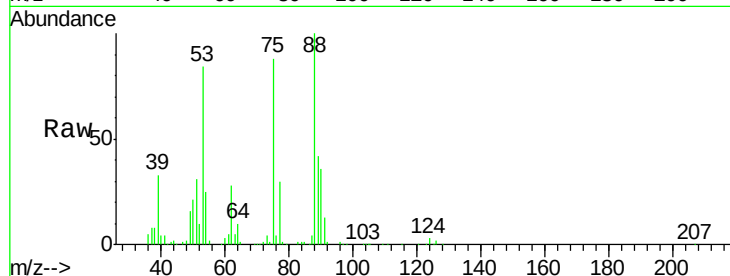
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	185908
Ion Ratio	Lower	Upper	
75	100		
53	95.4	82.2	123.4
89	47.8	39.6	59.4

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#82

4-Chlorotoluene

Concen: 143.540 ug/l

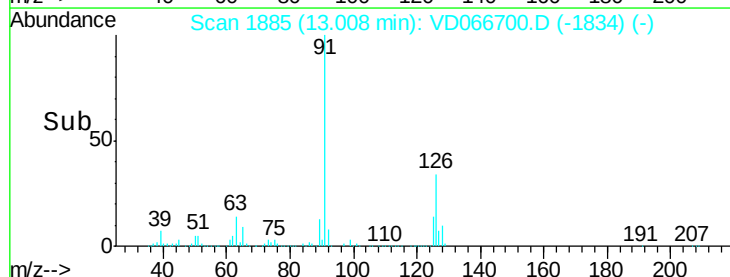
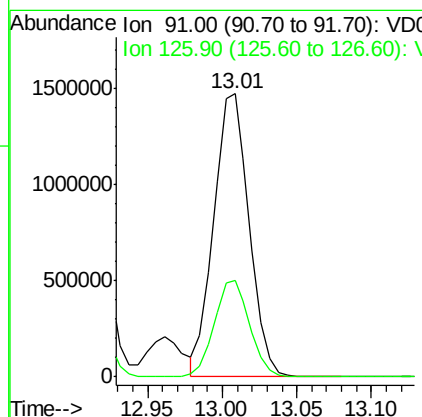
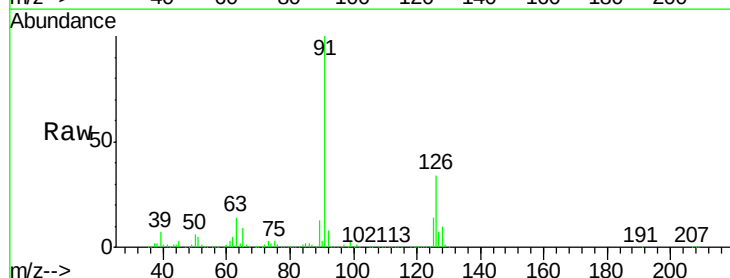
RT: 13.01 min Scan# 1885

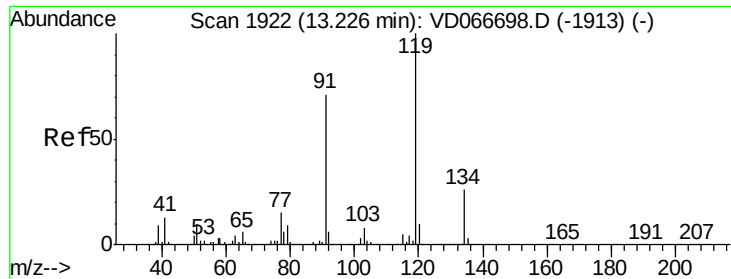
Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Tgt Ion:	91	Resp:	2427533
Ion Ratio	Lower	Upper	
91	100		
126	34.2	16.8	50.4





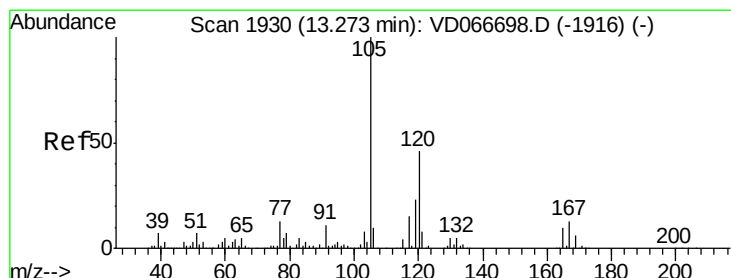
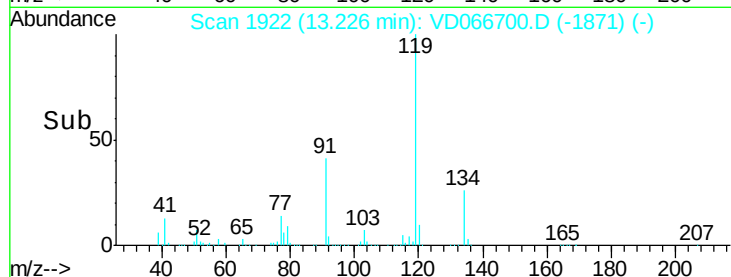
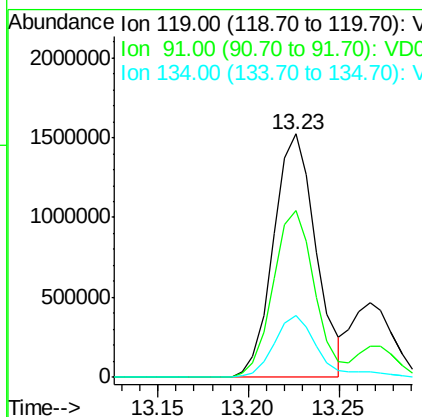
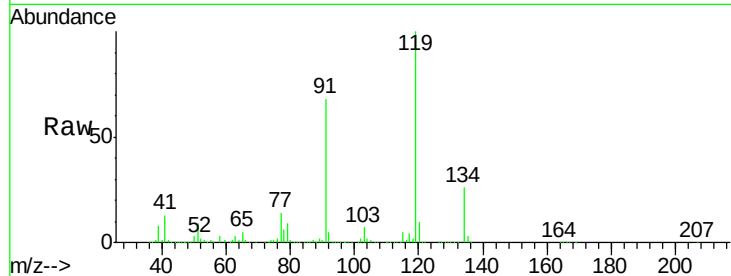
#83
 tert-Butylbenzene
 Concen: 153.643 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2484511
 Ion Ratio Lower Upper
 119 100
 91 68.1 35.0 105.1
 134 26.8 13.6 40.8

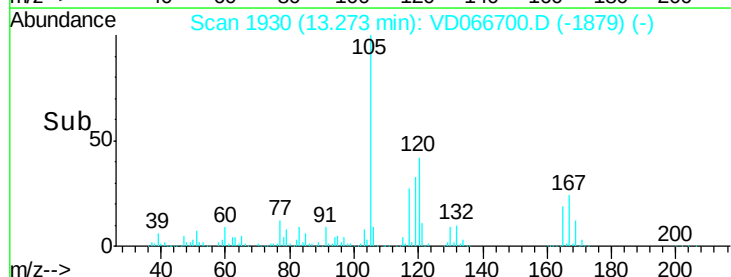
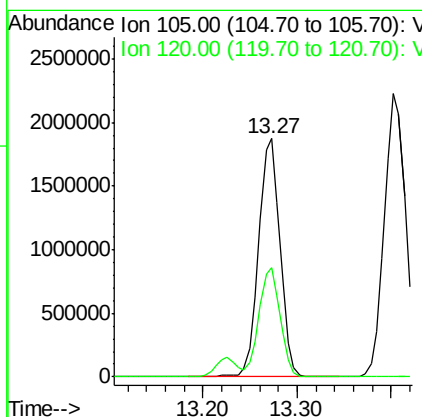
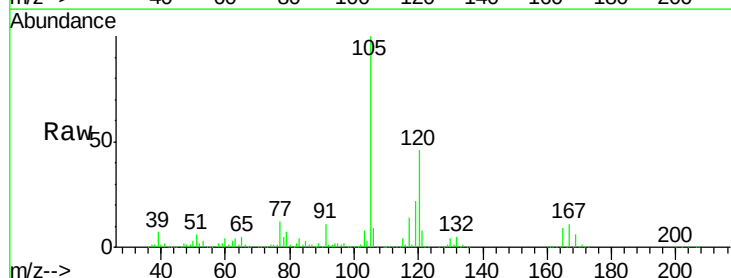
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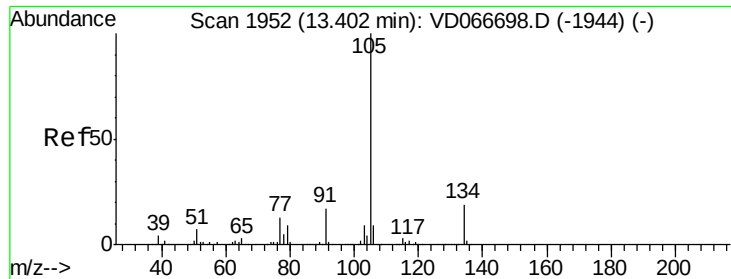
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#84
 1,2,4-Trimethylbenzene
 Concen: 150.560 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion:105 Resp: 2952084
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.2





#85

sec-Butylbenzene

Concen: 150.538 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3489882

Ion Ratio Lower Upper

105 100

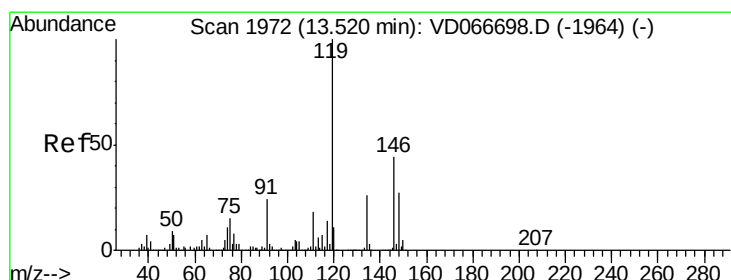
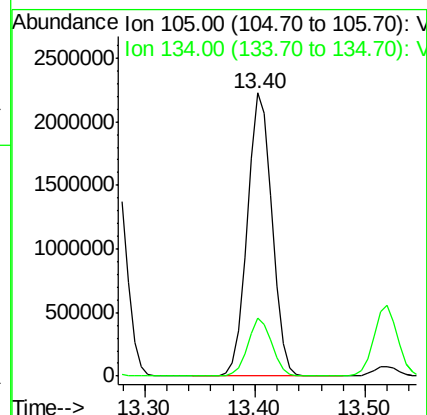
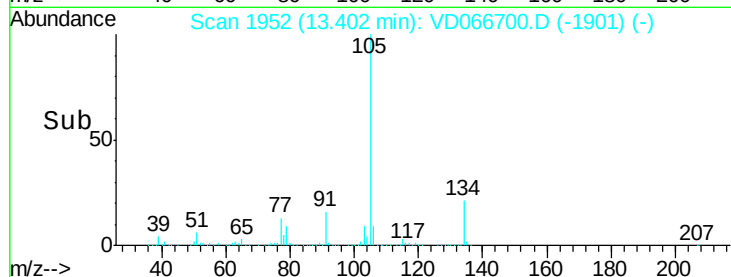
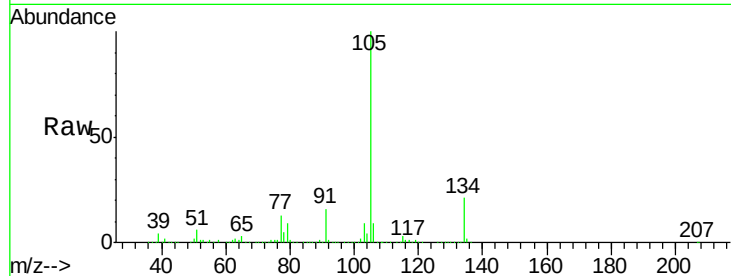
134 20.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 153.127 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066700.D

Acq: 15 Sep 2020 15:43

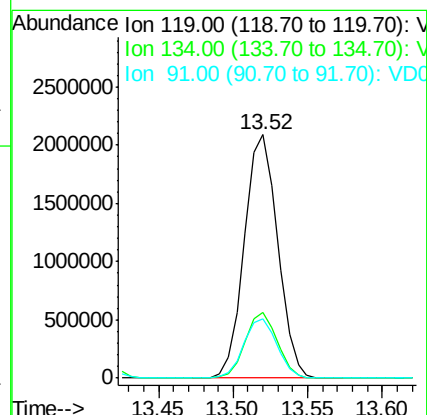
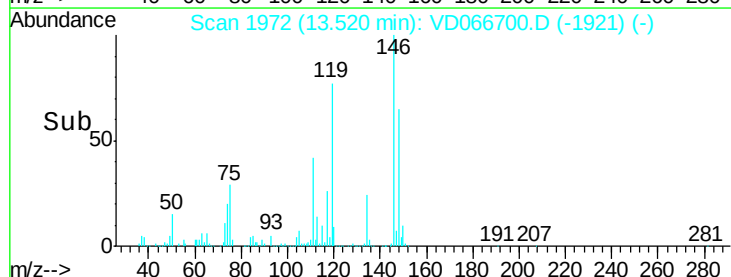
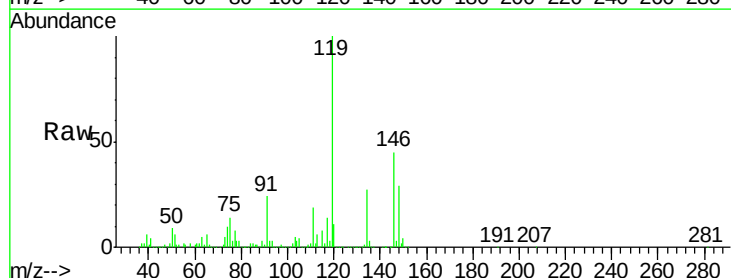
Tgt Ion:119 Resp: 3227303

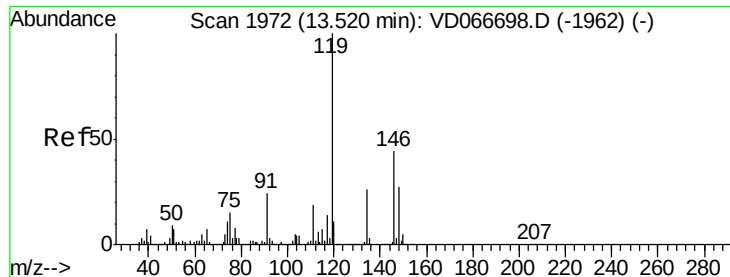
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 24.2 12.3 36.9





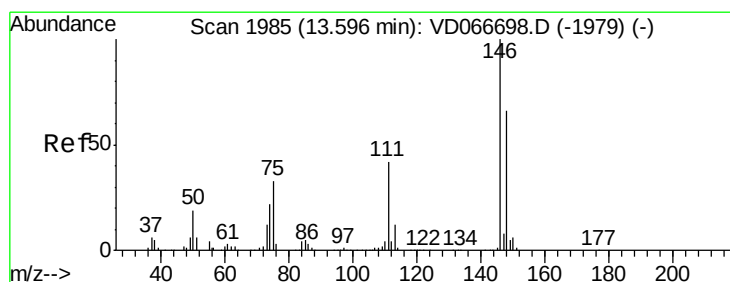
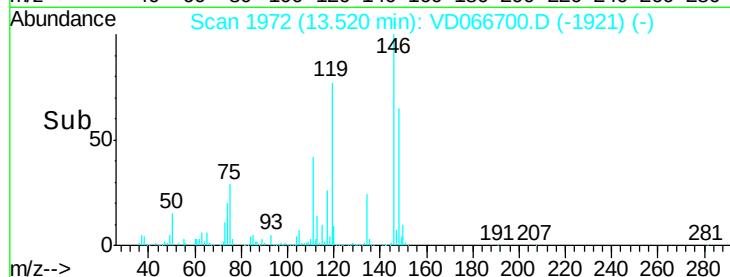
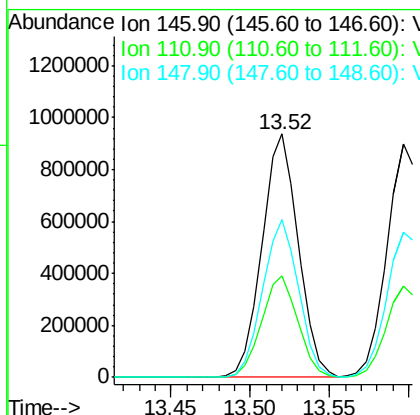
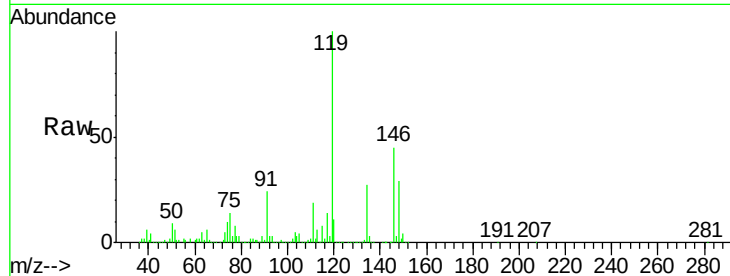
#87
 1,3-Dichlorobenzene
 Concen: 145.475 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	64.3	31.4	94.2

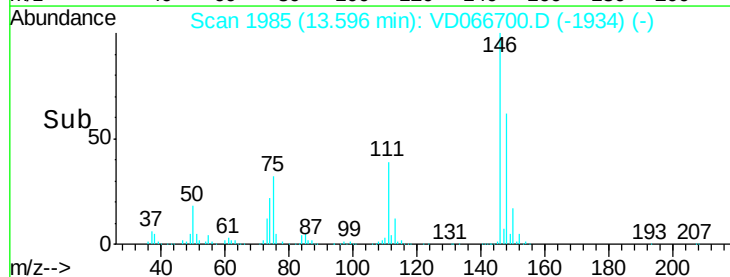
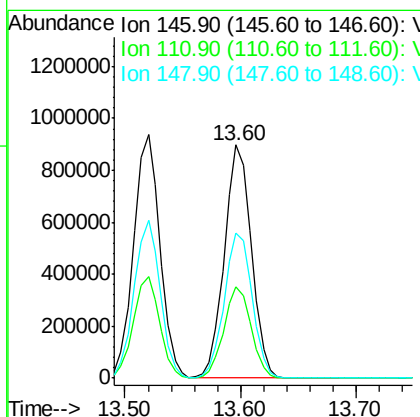
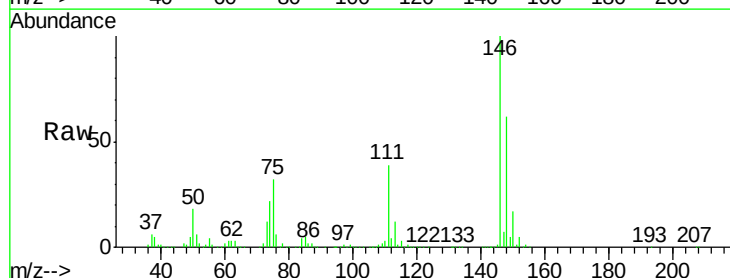
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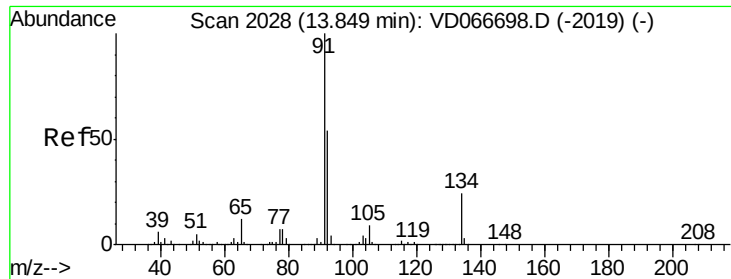
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#88
 1,4-Dichlorobenzene
 Concen: 142.315 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.5	61.6
148	64.4	32.7	98.1





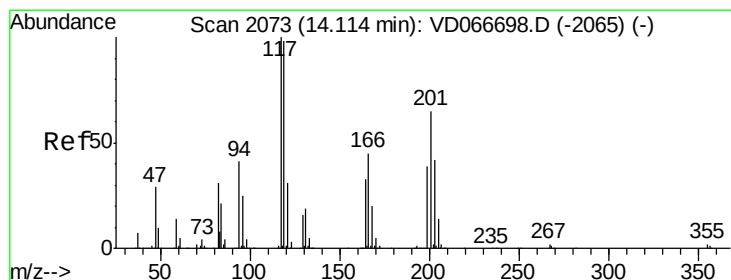
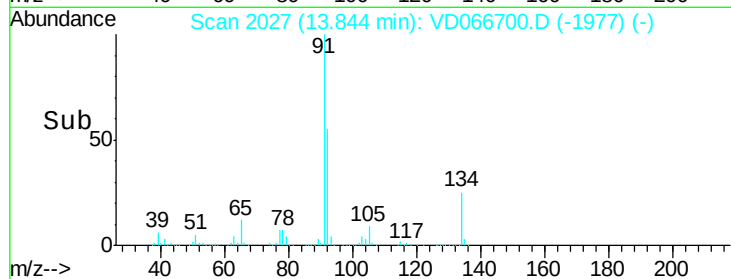
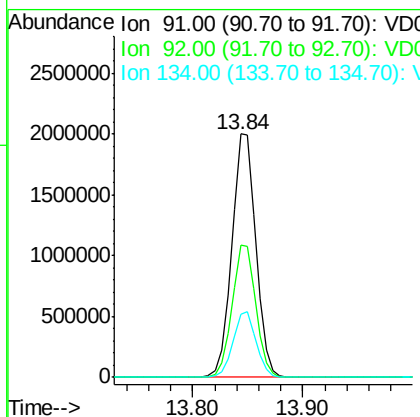
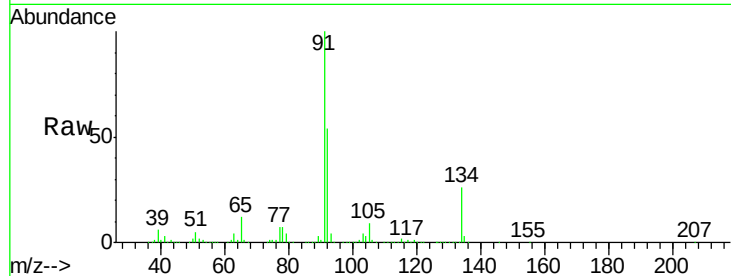
#89
n-Butylbenzene
Concen: 152.212 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3050431
Ion Ratio Lower Upper
91 100
92 53.7 27.0 81.0
134 25.9 12.4 37.0

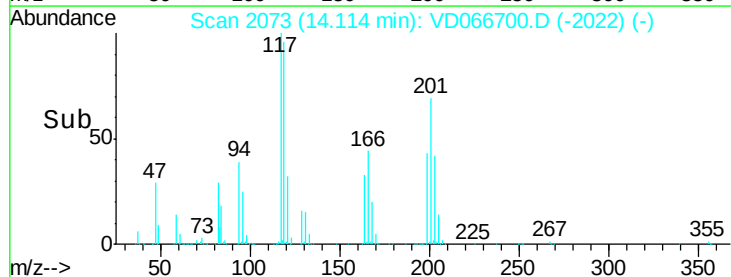
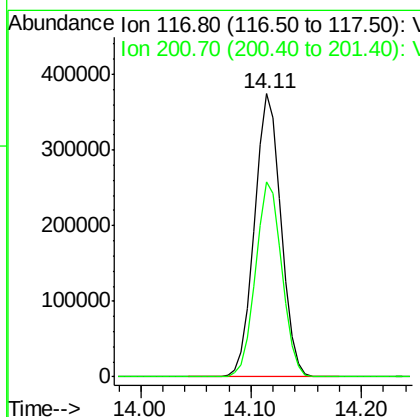
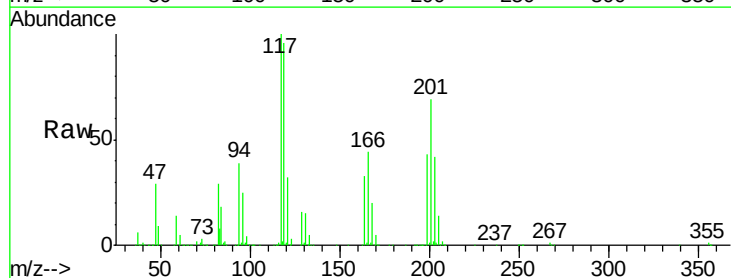
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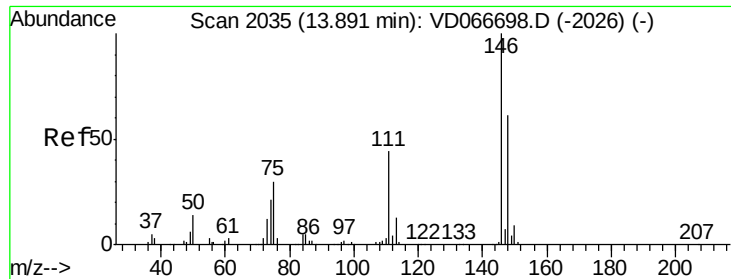
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#90
Hexachloroethane
Concen: 145.952 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion: 117 Resp: 631916
Ion Ratio Lower Upper
117 100
201 68.4 33.1 99.3





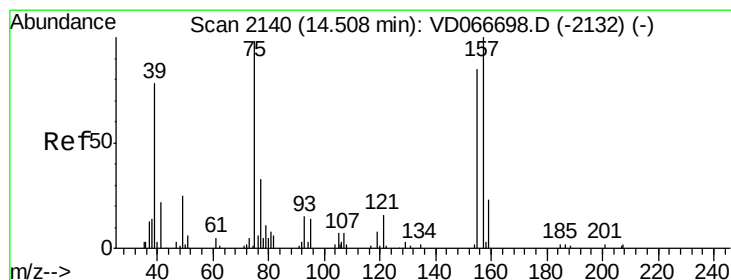
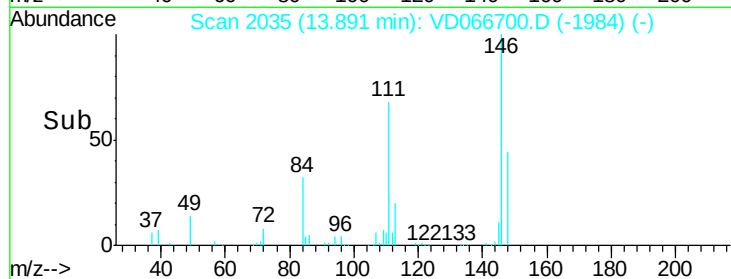
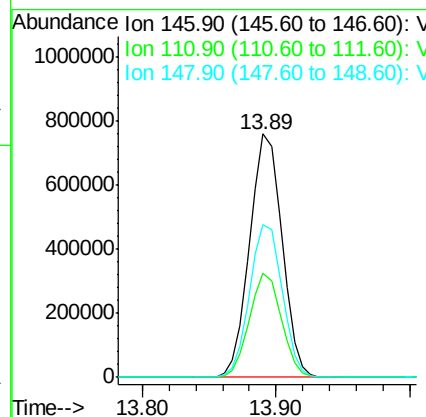
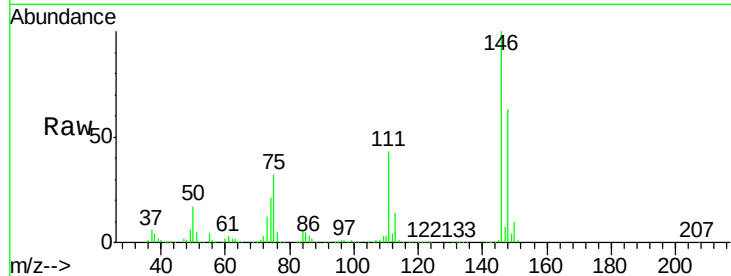
#91
 1,2-Dichlorobenzene
 Concen: 145.124 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	63.3	31.4	94.3

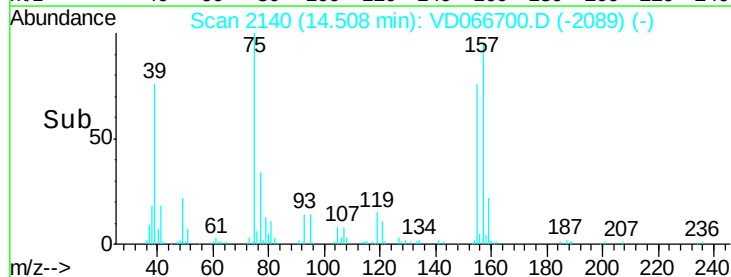
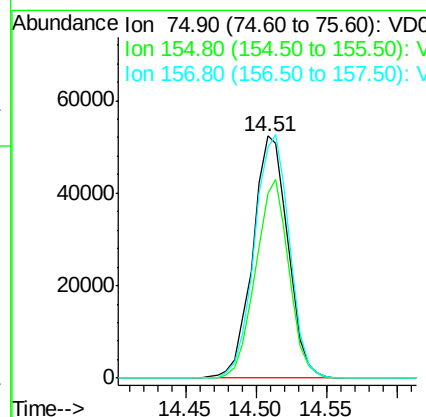
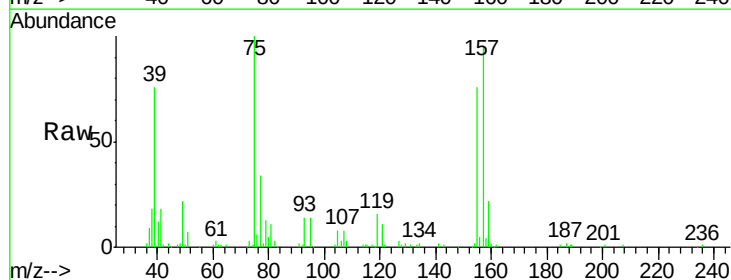
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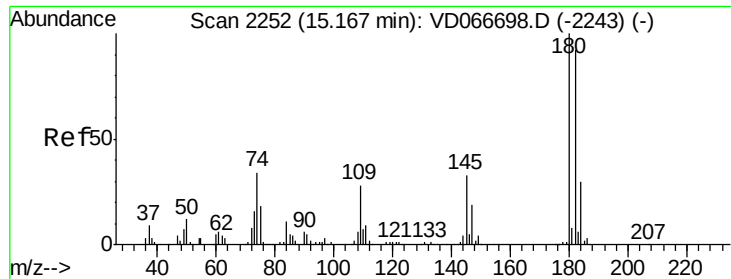
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.072 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.9	116.7
157	99.4	46.4	139.2





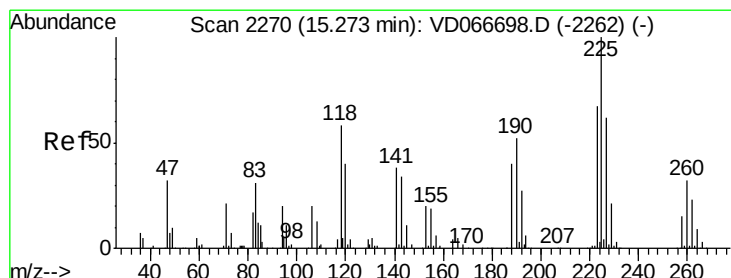
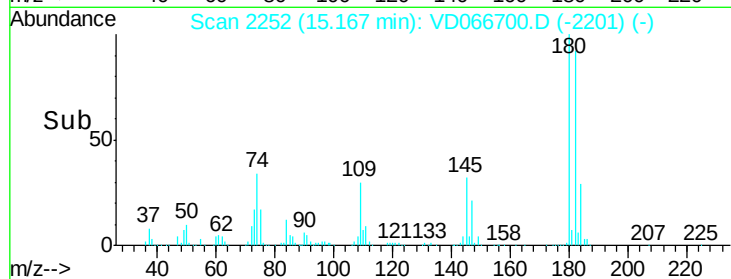
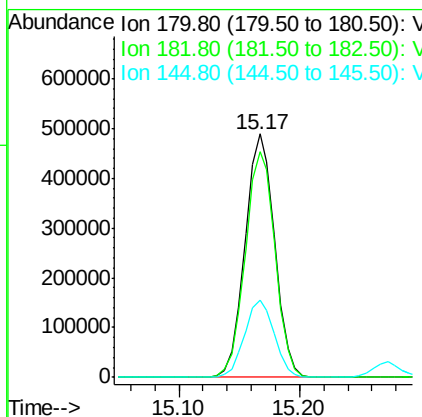
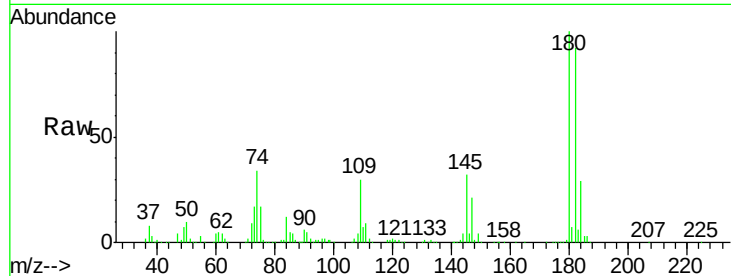
#93
 1,2,4-Trichlorobenzene
 Concen: 156.820 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	833887		
182	93.7	46.6	139.7	
145	32.1	16.5	49.5	

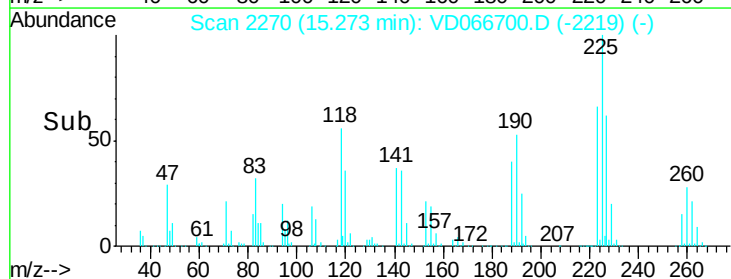
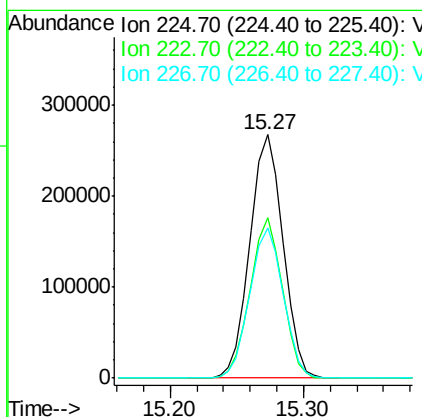
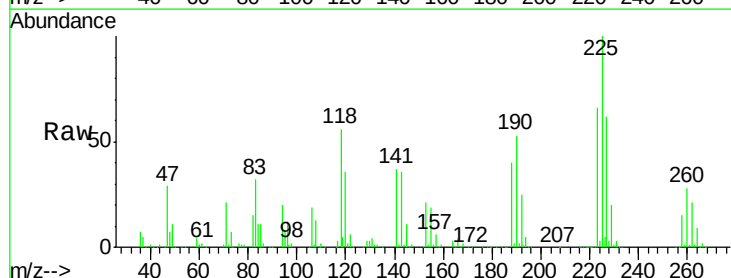
Manual Integrations
 APPROVED

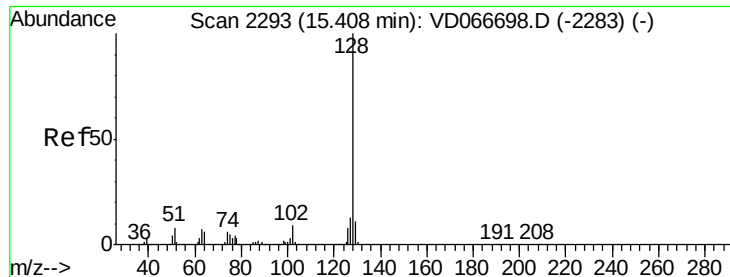
MMDadoda
 9/16/2020 11:44:23 AM



#94
 Hexachlorobutadiene
 Concen: 143.125 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066700.D
 Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	458532		
223	64.1	31.9	95.9	
227	62.3	31.3	93.9	





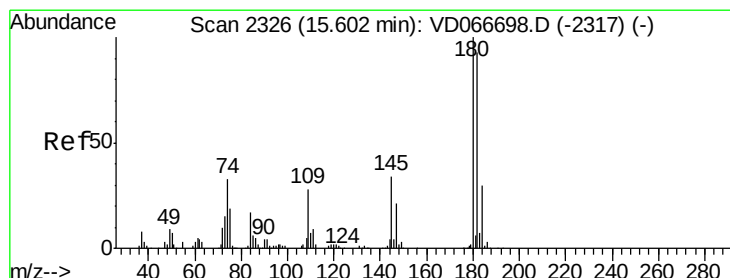
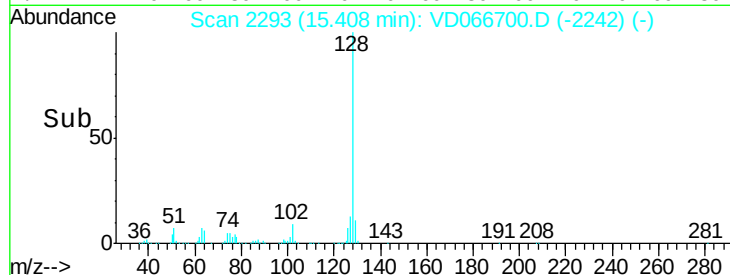
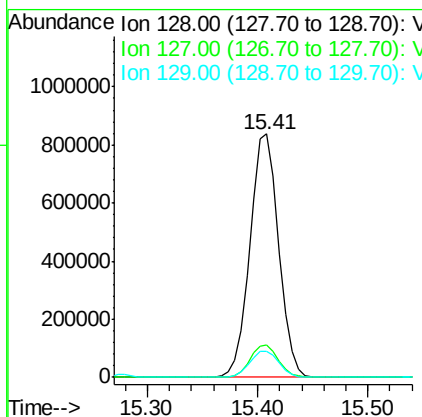
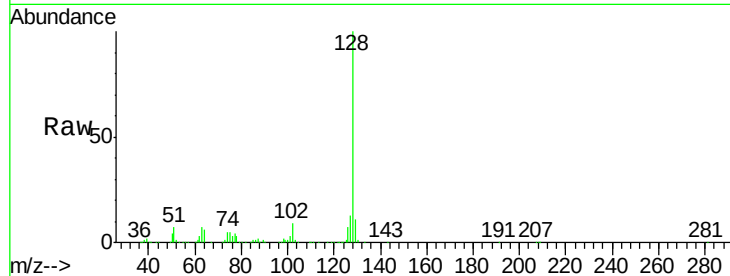
#95
Naphthalene
Concen: 164.443 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 150.146 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066700.D
Acq: 15 Sep 2020 15:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.8
145	34.7	17.1	51.3

